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NATIONAL BUREAU OF STANDARDS - 965 - A

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FILE NO. 100  
100-100

DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

STATION NO. 100-100  
OBSERVATION TIME 100-100  
OBSERVER 100-100  
OBSERVATION DATE 100-100  
OBSERVATION TIME 100-100  
OBSERVER 100-100  
OBSERVATION DATE 100-100  
OBSERVATION TIME 100-100  
OBSERVER 100-100  
OBSERVATION DATE 100-100

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SUPERSEDES REPT NO. USAFETAC/DS-80/001, AD-A081-396, NOV 79.			
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)			
*RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)			
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)			
This report is a six-part statistical summary of surface weather observations for GALENA AFS, GALENA, ALASKA. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)			

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19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* ALASKA  
\* GALENA AFS

\* GALENA  
USAK702220

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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By _____	
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Availability Codes	
Dist	Avail and/or Special
<b>A</b>	

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO OR SUMMARY 702220	STATION NAME GALENA ALASKA	LATITUDE N 64 44	LONGITUDE W 156 56	FIELD ELEV (FT) 152	CALL SIGN PAGA	WMO NUMBER 70222
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### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Galena AFS Alaska	AFS	Mar 54	19 Apr 61	N 64 43	W 156 54	135	125 ft	24
2	Same	Same	20 Apr 61	18 Apr 62	N 64 44	W 156 56	Same	Same	24
3	Same	Same	19 Apr 62	14 Apr 64	Same	Same	138	Same	24
4	Same	Same	15 Apr 64	Feb 79	Same	Same	152	149 ft	24
5	Same	Same	Mar 79	Jul 83	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 54	Located on roof of the weather stn	Selsyn	ML-143-A	25 ft	
2	14Apr 55	Same	Same	ML-143	40 ft	
3	4 May 56	Located on top of control tower	Same	N/A	90 ft	
4	20Apr 61	Located on top of a hangar 500' N of the weather station	AN/GMQ-11	ID 373	65 ft	
5	19Apr 62	Located 5700 ft East of the weather station and 750 ft from touchdown	Same	Same	20 ft	
6	15Apr 65	Located 5700 ft East of the weather station and 750 ft from touchdown	AN/GMQ-11	RO-2A	20 ft	
7	15Apr 66	1. Located 530 ft West of the end of runway 25 and 500 ft N of centerline 2. Located 400 ft E of the end of the runway 07 and 320 ft N of centerline	Same	Same	18 ft	
			AN/GMQ-20		18 1/2 ft	

USAFETAC

FORM NOV 73

O-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF STATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER		HT ABOVE GROUND
3	1 Apr 68	line. 1. Located 350 ft N of centerline and 350 ft from end of rnwy 07 2. Located 310 ft N of centerline and 900 ft from end of rnwy 25	AN/GMQ-11 AN/GMQ-20	Same	17 ft Same	
1	May 76	1. Located 350 ft N of centerline and 400 ft from end of rnwy 07. 2. Located 350 ft N of centerline and 900 ft from end of rnwy 25.	Same	RO-362	Same Same	
0	Feb 79	1. Same 2. Same	Same Same	Same	Same Same	
1	Jul 83	1. Same 2. Same	Same Same	Same	Same Same	

## PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total column. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### WEATHER CONDITIONS

70220  
 STATION

WALENA AFS AK  
 STATION NAME

73-82  
 YEARS

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS G.S.T.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		.2	.6	19.8		20.0	12.9		1.3		14.2	930
	03-05			.2	19.1		19.1	12.7	.1	2.0		14.7	930
	06-08		.1		20.0		20.1	12.6		2.4		14.8	930
	09-11		.1	.1	16.6		16.8	14.3	.3	1.5		15.8	930
	12-14			.4	19.1		19.4	11.2	.3	1.5		12.7	930
	15-17		.1	.3	17.8		18.3	9.6	.4	1.3		10.6	930
	18-20		.3	.4	18.2		18.8	10.1	.2	1.2		11.4	930
	21-23		.4	.3	16.4		18.8	12.9	.2	1.4		14.3	930
TOTALS			.2	.3	18.6		18.9	12.0	.2	1.6		13.6	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### WEATHER CONDITIONS

7 2220      GALENA AFS AK      73-87      FEB  
STATION      STATION NAME      YEARS      MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02		.2	.1	12.9		13.2	11.1	.5	1.3		12.4	946
	03-05			.2	14.2		14.4	11.9	.9	.7		12.6	946
	06-08		.4	.5	15.1		15.8	12.4	1.4	.2		12.6	946
	09-11		.6	.7	18.4		19.0	16.0	1.4			16.0	946
	12-14		.9	.6	18.2		19.0	4.5	.7	.1		5.0	946
	15-17		.5	.4	13.9		14.8	2.7	.4	.1		3.2	946
	18-20			.7	11.7		12.3	3.9		.7		4.6	946
	21-23		.1	.1	11.5		11.7	7.6	.4	1.4		9.0	946
TOTALS			.3	.4	14.5		15.0	8.8	.7	.6		9.4	6768

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

751220  
 STATION

GALENA AFS AK  
 STATION NAME

73-82  
 YEARS

MAR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		.3		16.0		16.3	1.1		.6		1.7	930
	03-05		.3		20.4		20.6	.6		1.1		1.7	930
	06-08		.1		22.0		22.2	3.1	.1	.9		4.0	930
	09-11			.1	21.6		21.9	4.0		.6		4.6	930
	12-14				20.9		20.9	2.0		.6		2.6	930
	15-17		.3	.1	17.4		17.6	1.8		.8		2.2	930
	18-20		.2	.3	17.8		18.3	2.2		.6		2.5	930
	21-23		.4	.1	17.5		18.0	1.0		.4		1.4	930
TOTALS			.2	.1	19.2		19.5	2.0	.0	.7		2.6	7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 2220 GALENA AFS AK 73-82 APR  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		3.1		11.4		14.1	1.6		.7		2.2	900
	03-05		1.9		11.4		13.3	2.8	.1	.7		3.4	900
	06-08		.9		15.6		16.6	4.2				4.2	900
	09-11		1.7		13.2		14.9	3.1		.3		3.3	900
	12-14		1.7		11.6		13.3	1.6		.4		1.8	900
	15-17		2.8		6.0		10.6	1.0		.7		1.7	900
	18-20		2.6		10.3		12.3	1.2		.3		1.6	900
	21-23		2.9		11.2		13.4	1.4		.6		2.0	900
TOTALS			2.2		11.6		13.5	2.1	.0	.5		2.5	7200

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 0220  
 STATION

GALENA AFS AK

STATION NAME

73-82

YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LIST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02		5.7		1.0		6.6	.8		.1		.8	930
	03-05		4.1		2.4	.1	6.6	1.6	.1			1.7	930
	06-08		4.8		2.7		7.4	1.5	.2			1.6	930
	09-11		5.7		1.5		6.9	.9				.9	930
	12-14	.1	6.0		.9		6.7	.5				.5	930
	15-17	.6	6.1		.3	.1	6.5						930
	18-20	.2	6.9		.5		7.2	.3				.3	930
	21-23		5.1		.9		5.6	.4				.4	930
TOTALS		.1	5.8		1.3	.0	6.9	.8	.0	.0		.8	7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

702220  
STATION

GALENA AFS AK

73-82

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.1	11.0		.2		11.2	.7				.7	900
	03-05		9.0				9.0	1.0				1.0	900
	06-08		10.8				10.8	.8				.8	900
	09-11		12.7				12.7	.7				.7	900
	12-14	.3	13.8				13.8	.9				.9	900
	15-17	1.0	14.8				14.8	.6				.6	900
	18-20	1.1	12.3				12.3	.1				.1	900
	21-23	.6	12.2				12.2	.3	.2			.6	900
<b>TOTALS</b>													<b>7200</b>

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

70-220  
STATION

SALENA AFS AK  
STATION NAME

73-82  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	TIME PERIOD	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN S. OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-01		9.8				9.8	.8	1.6			2.4	930
	03-05		11.6				11.6	1.1	1.1			2.2	930
	06-08		14.3		.3		14.5	1.9	1.4			3.1	930
	09-11	.2	12.6				12.6	.8	1.0			1.7	930
	12-14	.4	13.4				13.4	1.4	1.1			2.5	930
	15-17	1.3	12.8				12.8	1.6	.4			2.0	930
	18-20	.5	13.0				13.0	.9	1.0			1.8	930
	21-23	.8	11.5				11.5	.6	.9			1.5	930
TOTALS		.4	12.4		.0		12.4	1.1	1.1			2.2	7980

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 2220  
 STATION

SALENA AFS AK  
 STATION NAME

73-82  
 YEARS

AUG  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBS TO VISIB	TOTAL NO. OF OBS
AUG	00-02	.2	14.7				14.7	1.9	.6			2.4	930
	03-05		16.5				16.5	5.2	.9			6.5	929
	06-08	.2	13.9				13.9	5.5	.6			5.8	930
	09-11	.1	16.2				16.2	3.3	1.0			4.0	930
	12-14	.2	14.2		.1		14.2	1.7	1.1			2.6	930
	15-17	1.2	12.2				12.2	1.0	1.3			2.3	930
	18-20	.8	12.0				12.0	1.1	.9			1.9	930
	21-23	.3	11.2				11.2	1.4	1.0			2.4	930
TOTALS		.4	13.9		.1		13.9	2.6	.9			3.4	7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF-WEATHER SERVICE/MAC

## WEATHER CONDITIONS

7 220  
STATION NO.

GALENA AFS AK

STATION NAME

73-82

YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LAST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02		13.1	.1	2.0		15.1	2.8	.9			3.2	900
	03-05		14.8	.1	2.1		16.2	6.6	.9			7.1	900
	06-08		14.2		2.3		16.0	6.7	.3			6.8	900
	09-11	.3	14.4		2.3		16.6	4.1	.1		.1	4.3	900
	12-14		16.1		1.6		17.7	3.0				3.0	900
	15-17	.1	16.1		1.9		17.8	2.8				2.8	900
	18-20	.2	14.6		1.2		15.4	3.2	.1			3.3	900
	21-23		14.2		1.2		14.9	3.2	.6			3.6	900
TOTALS		.1	14.7	.0	1.8		16.2	4.1	.4		.0	4.3	7200

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

**WEATHER CONDITIONS**

71220 JALENA AFS AK 73-82 OCT  
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-01		3.9		23.4		26.9	5.5		.9	.3	6.7	930
	03-05		2.6		24.3		26.6	7.4		1.0	.3	8.7	930
	06-08		2.6	.1	24.3		26.9	10.3	.1	.1	.3	10.8	930
	09-11		2.7	.1	28.1		30.6	8.4		.4	.1	8.9	930
	12-14		1.9	.1	24.9		26.8	5.5		.9	.3	6.7	930
	15-17		2.6	.1	22.0		24.5	5.5		.3	.4	6.2	930
	18-20		2.6	.2	21.5		24.0	4.4		.3	.3	5.1	930
	21-23		3.1	.1	23.9		26.8	4.8	.1	.8	.3	6.0	930
TOTALS			2.6	.1	24.1		26.6	6.5	.0	.6	.3	7.4	7440

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFM WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 222 GALENA AFS AK 73-62 NOV  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.1	1.0	.2	29.9		30.7	5.1	.1	2.6		7.8	900
	03-05		.7	.1	27.7		28.3	5.1	.2	3.3		8.4	900
	06-08		.9	.6	27.8		28.9	5.4		4.2		9.7	900
	09-11		1.0	.8	29.6		30.9	7.1		3.0		10.1	899
	12-14		.6		29.6		30.0	6.0		1.7		7.7	900
	15-17		.9	.3	27.1		28.3	7.4	.1	2.0		9.6	900
	18-20		.9	.3	24.9		26.1	6.7		1.8		8.4	900
	21-23		.8	.4	28.1		28.9	6.0	.3	1.8		8.1	900
TOTALS		.0	.9	.3	28.1		29.0	6.1	.1	2.6		8.7	7199

GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 220 GALENA AFS AK 73-82 DEC  
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		.8	.3	21.7		22.2	7.6	.1	1.0		8.6	930
	03-05		.4	.3	23.7		23.8	7.7	.1	1.2		8.9	930
	06-08		.3	.1	24.5		24.5	8.6	.1	2.0		10.4	930
	09-11		.5		20.2		20.5	8.6	.2	1.4		9.7	930
	12-14		.6		22.5		22.8	9.8	.2	1.1		10.7	929
	15-17		1.0		20.9		21.5	9.2		.5		9.7	927
	18-20		.3	.1	20.9		21.0	8.3	.1	1.1		9.4	927
	21-23		.4	.1	20.9		21.1	7.9	.4	1.3		9.2	927
TOTALS			.5	.1	21.9		22.2	8.5	.2	1.2		9.6	7430

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

7 220 GALENA AFS AK 73-82 ALL  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OF DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL		.2	.3	18.6		18.9	12.0	.2	1.6		13.6	7440
FEB			.3	.4	14.5		15.0	8.8	.7	.6		9.4	6768
MAR			.2	.1	19.2		19.5	2.0	.0	.7		2.6	7440
APR			2.2		11.6		13.5	2.1	.0	.5		2.5	7200
MAY		.1	5.8		1.3	.0	6.9	.8	.0	.0		.8	7440
JUN		.4	12.1		.0		12.1	.6	.0			.7	7200
JUL		.4	12.4		.0		12.4	1.1	1.1			2.2	7440
AUG		.4	13.9		.0		13.9	2.6	.9			3.4	7439
SEP		.1	14.7	.0	1.8		16.2	4.1	.4		.0	4.3	7200
OCT			2.8	.1	24.1		26.6	6.5	.0	.6	.3	7.4	7440
NOV		.0	.9	.3	28.1		29.0	6.1	.1	2.6		8.7	7199
DEC			.5	.1	21.9		22.2	8.5	.2	1.2		9.6	7430
TOTALS		.1	5.5	.1	11.6	.0	17.2	4.6	.3	.7	.0	5.4	87636

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with mist and/or sand is included in this summary only when visibility is reduced to less than  $\frac{5}{8}$  mile.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
**WEATHER CONDITIONS**  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

7 220 GALENA AFS AK 53-87 ALL  
 STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

MONTH	HOURS / DAY	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY		5.6	4.7	55.5		56.4	35.5	1.6	6.2		40.3	899
FEB			6.5	5.3	54.6		55.4	31.6	2.2	6.5		36.1	819
MAR			4.9	.7	52.2		53.3	17.4	.7	5.9		21.7	899
APR			11.6	.6	45.1		50.1	15.5	.5	2.9		17.1	873
MAY		1.3	43.3	.2	11.1	.7	47.6	4.1	.4	.1		4.3	899
JUN		6.6	57.9		.9	1.1	58.1	4.7	3.2			7.8	897
JUL		5.1	59.1		.1	.1	59.1	12.9	7.2			18.7	930
AUG		3.1	65.7		.5	.1	65.7	21.7	2.0			22.4	930
SEP		.3	53.2	.2	12.9	.1	59.7	21.1	3.4	.3		22.7	900
OCT			19.0	3.2	59.7		68.3	29.1	.5	2.5	.1	30.6	930
NOV			6.1	3.6	70.9		71.6	26.8	.9	9.1		33.4	900
DEC			4.3	3.2	57.7		58.1	38.2	2.2	6.6		42.4	927
TOTALS		1.4	28.1	1.8	35.3	.2	58.4	21.5	2.1	3.3	.0	24.8	10800

USAFETAC FORM 10-51 (10-51) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST  
Jan 46-May 57 at 1230GMT  
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT  
Jul 52-May 57 at 1230GMT  
Jun 57-present at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

7 2220 STATION GALENA AFS AK 53-82 YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0 10 4	0 5 14	1 5 24	2 5 34	3 5 44	4 5 64	6 5 104	10 5 154	15 5 254	25 5 504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120						
JAN	43.0	28.4	3.9	11.7	6.8	5.0	1.0	.2						28.6	897	.0	2.24	.14	
FEB	44.9	23.8	5.7	12.2	5.4	6.0	1.3	.5	.1					31.3	819	.82	3.09	TRACE	
MAR	45.6	23.4	6.1	12.7	6.0	4.9	1.1	.2						31.0	899	.68	2.03	TRACE	
APR	49.4	21.6	6.0	9.0	7.2	5.7	.9	.1						19.0	870	.68	2.88	.01	
MAY	52.0	25.3	3.8	9.9	3.3	4.0	1.6							22.7	896	.54	1.20	.05	
JUN	41.7	23.3	5.6	10.8	6.3	7.7	3.4	1.0	.2					35.0	900	1.27	2.73	.10	
JUL	40.8	16.5	5.8	11.3	7.6	10.1	5.8	2.0	.1					42.8	930	1.95	3.75	.69	
AUG	34.2	17.8	5.3	12.4	9.6	12.7	5.4	2.5	.2					48.0	930	2.20	4.78	.50	
SEP	40.2	19.3	5.9	13.4	6.1	9.9	3.7	1.3	.1					40.4	900	1.43	4.34	.13	
OCT	31.6	30.3	6.1	14.9	6.9	6.8	2.7	.6						38.1	930	1.05	2.39	.29	
NOV	27.6	30.1	7.0	15.7	8.9	8.7	1.8	.3						42.3	900	1.02	2.25	.08	
DEC	41.3	24.6	7.0	12.7	8.2	4.3	1.6	.2						34.1	927	.73	1.43	.22	
ANNUAL	41.0	23.7	5.7	12.2	6.9	7.1	2.5	.7	.1					35.3	10800	13.07			

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 PRECIPITATION

FROM DAILY OBSERVATIONS

70 20 STATION GALENA AFS AK STATION NAME

53-82

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						1.17	.29	.75	.36	.20	.07	.09	
54	.09	.05	.11	.21	.05	.31	.68	.26	.34	.20	.15	.78	.68
55	.25	.07	.17	.09	.46	.15	.89	.31	.43	.34	.79	.28	.89
56	.31	.88	.56	.22	.19	.70	.40	.91	.34	.22	.31	.37	.91
57	.30	.37	.11	.09	.32	.07	.41	.53	.49	.34	.26	.79	.53
58	.26	.36	.19	.07	.18	.58	1.03	.49	.16	.47	.34	.20	1.03
59	.21	.24	.07	.07	.14	.11	.53	.64	.62	.27	.70	.23	.70
60	.28	.41	TRACE	.17	.12	.55	.40	.56	.56	.29	.28	.15	.56
61	.19	.16	.08	.42	.39	.37	.71	.22	.37	.67	.60	.32	.71
62	.31	.23	.21	.31	.21	.61	.86	.49	.97	.23	.20	.16	.97
63	.85	.33	.57	.23	.10	.68	.62	1.02	.15	.65	.03	.35	1.02
64	.20	.28	.44	.23	.11	.46	.61	.23	.17	.57	.17	.17	.88
65	.12	.22	.46	.59	.27	1.25	.45	.63	1.23	.26	.21	.17	1.25
66	.16	.42	.36	.23	.12	.31	.42	.26	.12	.16	.25	.12	.42
67	.06	.06	.12	.12	.09	.31	.89	1.55	.24	.29	.19	.54	1.55
68	.18	.22	.17	.11	.25	.10	.44	.22	.14	.09	.13	.17	.44
69	.19	.18	.09	.01	.16	.22	.33	.29	.06	.15	.09	.19	.33
70	.13	.07	.21	.08	.25	.46	.62	.96	.42	.47	.23	.54	.96
71	.29	1.78	.06	.22*	.27	.66	.27	.51	.45	.26	.29	.16	1.00
72	.17	.05	.14	.23	.08	.44	.46	.46	.56	.58	.20	.27	.58
73	.41	.09	.21	.21	.34	.37	.84	.60	.34	.33	.24	.76	.84
74	.22	.15	.33	.09	.11	.53	.56	.77	.35	.64	.16	.76	.77
75	.08	.19	.08	.09	.38	.27	.33	.34	.53	.18	.13	.31	.53
76	.08	.28	.08	.16	.22	.17	.33	.12	.62	.40	.34	.78	.62
77	.24	.22	.17	.32	.11	.41	.43	.52	.40	.25	.22	.32	.52
78	.14	.01	.21	.24	.17	.68	.80	.28	.20	.33	.28	.28	.80
79	.21	TRACE	.25	.29	.18	.43	.58	.26	.18	.22	.42	.17	.58
80	.15	.54	.13	.05	.37	.22	.35	.24	.66	.08	.18	.38	.66
81	.14	.30	.03	.10	.48	.45	.63	.57	.30	.28	.28	.07	.63
82	.13	.39	.26	.19	.14	.37	.57	.42	.53	.10	.15	.30	.57
MEAN	.223	.281	.203	.194	.219	.447	.558	.514	.410	.317	.263	.221	.742
S D	.163	.269	.153	.120	.121	.275	.205	.306	.252	.169	.171	.132	.273
TOTAL OBS	899	819	899	870	896	900	930	930	900	930	900	927	10800

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GENERAL CLIMATOLOGY BRANCH  
 AFSAFETAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
**EXTREME VALUES**  
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

220 CALENA AFS AK  
 STATION

53-82

YEARS

STATION NAME

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						2.21	.69	4.00	1.08	.34	.21	.34	
54	.26	.18	.35	.23	.06	.95	2.64	1.79	1.87	.42	.45	.44	9.66
55	.47	.22	.97	.55	.72	.36	1.96	1.26	1.66	.79	1.31*	1.17	11.24
56	.94	2.12	1.13	.47	.53	.89	1.83	4.23	1.49	.99	1.17	.53	16.32
57	1.10	.85	.49	.17	.73	.10	1.40	2.09	1.76	1.00	1.60	.49	11.78
58	.80	.21	.59	.11	.47	1.69	3.53	2.46	1.14	1.01	1.42	.38	13.81
59	.45	1.54	.29	.25	.48	.31	2.06	2.31	1.58	1.07	2.25	1.07	13.66
60	2.24	.66	TRACE	.40	.24	1.72	1.59	2.22	2.08	.65	1.58	.46	13.84
61	.60	.47	.15	2.88	1.03	1.20	2.14	.91	1.80	1.88	2.06	.96	16.09
62	1.09	.59	1.13	1.75	.83	1.36	1.60	2.66	2.29	.96	.57	.74	14.87
63	2.14	.74	2.03	1.59	.19	2.59	3.75	4.78	.33	2.39	.08	1.41	22.72
64	.62	3.08	1.84	1.30	.38	1.46	2.09	1.17	.62	1.70	.62	.31	15.39
65	.55	.89	1.54	1.63	.76	2.41	2.32	3.32	4.34	.57	1.21	1.21	20.75
66	.20	1.77	.72	.51	.44	.78	1.43	1.58	.52	.51	.99	.41	9.94
67	.22	.33	.85	1.11	.24	.97	3.56	4.70	.85	.58	1.05	1.43	15.09
68	.62	1.13	.59	.53	.66	.29	1.41	.92	.44	.29	.34	.70	7.92
69	.33	.28	.39	.01	.41	.51	1.46	.74	.10	.45	.43	.51	5.67
70	.19	.29	.68	.28	.55	1.08	2.33	3.77	.53	1.81	1.12	1.23	13.86
71	.77	2.99	.14	1.00*	.45	1.42	1.86	1.92	1.07	1.39	.85	1.01	14.67
72	.36	.08	.50	1.21	.11	1.57	1.28	1.41	2.06	1.88	.58	.97	12.01
73	1.16	.26	.91	.36	1.20	1.29	1.73	3.19	.69	1.73	1.20	.72	13.94
74	.41	.21	.81	.19	.11	1.54	2.07	2.13	1.67	1.51	.57	.29	11.51
75	.31	.66	.31	.19	.99	1.40	1.15	1.29	2.42	.99	.34	.41	10.86
76	.29	.58	.28	.29	.56	.91	1.16	.50	1.75	1.07	2.00	.34	9.73
77	.65	.58	.52	1.00	.39	.95	1.38	1.56	2.92	.68	.60	1.03	12.26
78	.26	.04	.30	.61	.46	2.73	1.63	1.06	.56	1.06	1.15	1.37	11.23
79	.62	TRACE	.75	.78	.43	1.64	1.65	1.94	.78	1.13	2.11	.94	12.77
80	1.34	1.11	.46	.10	1.01	1.49	1.06	1.33	1.58	.37	.75	.62	11.22
81	.52	1.38	.78	.50	.78	1.42	2.72	2.97	.51	1.99	1.02	.31	14.18
82	.53	.45	1.02	.55	.40	.98	3.00	2.00	2.39	.41	.97	.52	13.26
MEAN	.702	.818	.883	.684	.344	1.274	1.949	2.200	1.429	1.054	1.020	.726	13.127
S.D.	.513	.810	.498	.617	.296	.656	.763	1.192	.916	.578	.585	.377	3.456
TOTAL OBS	879	818	899	870	896	900	930	933	900	930	900	927	10800

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

7 220 SALENA AFS AK  
STATION STATION NAME

53-82 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)			
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	Over 2000			MEAN	GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-04	05-4	5-24	25-34	35-44	45-64	65-104	105-154	155-254	255-304	Over 304						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	6-20	Over 20						
JAN	43.9	27.4	12.5	11.1	3.3	1.2	.3	.1	.2					26.8	899	9.0	21.6	1.9	
FEB	45.7	22.8	14.5	10.7	2.1	2.7	.9	.1	.4	.1				31.5	819	9.0	31.0	TRACE	
MAR	45.1	22.8	15.1	10.6	3.6	.9	.6	.4						31.1	899	9.0	19.4	TRACE	
APR	44.7	19.4	12.1	6.9	3.7	1.1	.8							26.6	870	5.9	27.7	.2	
MAY	48.7	7.3	3.1	.7	.2									4.3	899	.5	2.9	.0	
JUN	49.1	.8	.1											.1	900	TRACE	.1	.0	
JUL	49.9	.1													930	TRACE	TRACE	.0	
AUG	49.5	.5													930	TRACE	TRACE	.0	
SEP	47.7	9.8	1.3	1.0	.2									2.6	900	.5	2.9	.0	
OCT	40.2	28.9	14.4	9.8	3.4	1.9	.6	.4	.2					30.9	930	9.1	22.8	.6	
NOV	29.3	29.0	18.6	15.6	5.7	1.6	.6	.4	.3					42.7	900	11.7	27.4	.6	
DEC	41.4	23.0	17.5	13.2	7.4	1.2	.9	.5						35.6	927	8.9	21.1	3.1	
ANNUAL	64.5	16.3	9.1	6.8	2.0	.9	.4	.2	.1	.3				19.5	10803	62.6			

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
SNOWFALL

FROM DAILY OBSERVATIONS

70.220 GALENA AFS AK

53-82

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						.0	.0	.0	TRACE	2.2	1.1	1.2	
54	1.1	1.0	1.8	.1	.0	.0	.0	.0	.0	2.0	1.0	.8	2.0
55	2.8	.7	1.7	.9	TRACE	.0	.0	.0	TRACE	3.4	7.9	2.8	7.9
56	3.1	8.8	5.6	2.2	.0	.0	.0	.0	1.6	2.2	3.0	3.6	9.8
57	3.0	3.8	1.1	.7	.0	.0	.0	.0	1.1	3.4	2.6	.9	3.8
58	2.6	.6	1.9	.7	1.8	.0	.0	.0	1.0	4.7	3.4	2.0	4.7
59	2.0	2.4	.7	.7	.1	.0	.0	.0	.2	2.7	7.0	2.3	7.0
60	2.4	4.1	TRACE	1.5	TRACE	.0	.0	.0	TRACE	2.9	2.8	1.5	4.1
61	1.9	1.6	.8	4.2	TRACE	.0	.0	.0	TRACE	6.7	6.0	3.3	6.7
62	2.1	2.3	2.1	3.1	TRACE	.1	.0	TRACE	1.0	1.8	2.0	1.6	3.1
63	8.5	3.3	5.7	2.3	.3	TRACE	.0	.0	TRACE	4.3	.3	3.5	8.5
64	2.1	7.8	3.7	2.4	1.0	.0	.0	.0	.0	2.4	2.3	1.4	7.8
65	1.3	2.8	5.1	4.0	1.2	.0	.0	TRACE	TRACE	2.8	2.0	1.8	5.1
66	1.8	4.0	4.0	2.2	1.1	.0	.0	.0	.0	.2	3.1	1.2	4.0
67	.0	.7	1.5	1.1	.1	TRACE	.0	.0	.3	3.4	2.1	5.0	5.0
68	1.7	3.3	2.5	1.6	.1	.0	.0	.0	.1	1.3	2.4	4.5	4.5
69	1.9	3.4	2.3	.3	TRACE	TRACE	.0	TRACE	.0	.7	1.1	3.7	3.7
70	2.4	1.3	2.3	.8	TRACE	.0	.0	.0	.1	4.7	2.3	5.4	5.4
71	2.9	10.8	.8	2.2	.3	.0	.0	.0	TRACE	3.1	4.7	3.9	10.8
72	1.5	.5	3.1	4.4	TRACE	TRACE	.0	.0	1.0	2.0	2.7	3.7	4.4
73	3.8	1.3	3.5	2.1	TRACE	.0	.0	TRACE	.3	5.2	5.3	.7	5.3
74	6.8	2.3	5.1	1.2	TRACE	TRACE	.0	.0	TRACE	7.9	2.1	2.0	7.9
75	1.4	2.6	1.1	.9	2.1	.0	.0	.5	.2	2.2	1.8	5.0	5.0
76	2.0	3.5	1.1	2.6	.3	.0	TRACE	.0	TRACE	1.0	4.5	1.2	4.5
77	3.9	1.4	3.9	2.7	.1	.0	.0	.0	TRACE	2.5	2.2	3.2	3.9
78	1.4	.1	2.1	2.4	.0	.0	.0	.0	TRACE	4.0	2.4	4.9	4.9
79	2.7	TRACE	2.3	2.9	.0	.0	.0	.0	TRACE	2.0	4.3	1.7	4.3
80	5.5	5.4	1.3	.5	.0	.0	.0	.0	1.6	.6	1.8	3.8	5.5
81	1.4	3.5	.4	2.8	TRACE	.0	.0	.0	1.1	4.5	7.5	1.2	7.5
82	2.2	TRACE	2.9	.7	.4	.0	.0	.0	TRACE	1.4	2.4	2.1	2.9
MEAN	2.87	2.87	2.43	1.87	.31	.00	TRACE	TRACE	.32	2.94	3.14	2.88	5.40
S D	1.706	2.614	1.587	1.186	.568	.317	.000	.000	.517	1.753	1.939	1.465	2.023
TOTAL OBS	899	819	894	870	894	900	930	930	900	930	900	927	10803

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

FEDERAL BUREAU OF SURVEY  
 NATIONAL CENTER FOR ENVIRONMENTAL CLIMATOLOGY  
 METEOROLOGICAL SERVICE CENTER

**EXTREME VALUES**  
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

70 220 GALENA AFS AK STATION NAME

53-82 YEARS

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
63						.0	.0	.0	TRACE	2.5	3.1	5.1	
64	3.4	3.0	7.1	.2	.0	.0	.0	.0	.0	4.7	2.9	4.4	25.7
65	5.0	2.2	9.7	5.5	TRACE	.0	.0	.0	TRACE	7.2	13.1	11.2	53.9
66	9.4	21.2	11.3	4.7	.0	.0	.0	.0	2.9	9.6	11.2	5.2	75.5
67	9.5	8.5	4.9	1.2	.0	.0	.0	.0	2.2	6.3	16.0	4.9	53.5
68	8.0	2.1	5.9	.9	2.7	.0	.0	.0	1.1	10.0	14.2	3.8	48.7
69	4.5	15.1	2.9	1.9	.3	.0	.0	.0	.2	9.6	22.5	10.7	67.7
70	21.6	6.6	TRACE	2.5	TRACE	.0	.0	.0	TRACE	4.2	15.8	4.6	55.3
71	4.5	4.7	1.5	27.7	TRACE	.0	.0	.0	TRACE	17.0	20.6	9.5	85.5
72	10.6	5.9	11.3	10.5	TRACE	.1	.0	TRACE	1.0	7.3	5.7	7.4	59.9
73	20.1	7.4	19.4	15.9	.4	TRACE	.0	.0	TRACE	13.5	.8	14.4	91.9
74	8.2	31.0	17.2	12.6	2.9	.0	.0	.0	.0	7.9	6.8	3.1	89.7
75	5.9	8.5	13.4	15.9	1.4	.0	.0	TRACE	TRACE	5.8	11.1	12.3	74.3
76	3.5	18.3	7.1	5.2	2.6	.0	.0	.0	.0	.8	11.9	4.5	53.9
77	1.9	3.3	8.2	8.7	.1	TRACE	.0	.0	.3	5.7	10.8	14.3	53.3
78	6.7	19.4	8.5	7.2	.1	.0	.0	.0	.2	2.9	6.9	14.1	66.3
79	9.1	6.1	10.6	.6	TRACE	TRACE	.0	TRACE	.0	1.9	6.5	9.3	44.1
80	3.7	4.8	7.8	2.7	TRACE	.0	.0	.0	.1	20.5	11.9	11.7	63.2
81	8.1	30.8	1.4	10.0	.4	.0	.0	.0	TRACE	19.0	19.0	21.1	109.8
82	5.1	.8	8.6	27.7	TRACE	TRACE	.0	.0	2.0	6.3	8.6	12.7	71.0
83	15.1	4.6	18.1	4.0	TRACE	.0	.0	TRACE	.5	21.6	21.0	3.1	87.9
84	10.1	4.6	12.9	2.5	TRACE	TRACE	.0	.0	TRACE	22.8	9.1	7.3	69.3
85	4.2	11.5	5.0	2.8	2.1	.0	.0	.0	.2	12.3	5.3	12.7	56.1
86	9.1	8.2	5.1	4.8	.6	.0	TRACE	.0	TRACE	5.6	27.4	5.7	66.5
87	9.1	3.8	8.2	9.0	.1	.0	.0	.0	TRACE	4.7	6.0	10.5	51.4
88	2.6	.4	3.0	2.8	.0	.0	.0	.0	TRACE	12.8	10.4	18.8	50.4
89	6.4	TRACE	6.1	3.0	.0	.0	.0	.0	TRACE	6.1	16.3	9.5	47.4
90	13.6	11.0	4.6	1.0	.0	.0	.0	.0	2.1	2.2	7.6	6.2	48.3
91	5.2	16.1	1.0	5.6	TRACE	.0	.0	.0	1.1	17.3	15.7	5.7	67.7
92	7.0	TRACE	12.6	3.4	.5	.0	.0	.0	TRACE	6.3	13.3	4.3	47.4
MEAN	7.87	8.96	8.08	6.91	.44	.00	TRACE	TRACE	.46	9.15	11.72	8.86	63.66
S.D.	4.752	8.442	5.068	7.193	.905	.017	.000	.000	.812	6.255	6.312	4.771	17.891
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	927	10803

NOTE: \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

CENTRAL CLIMATOLOGY BRANCH  
 AFSTAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPT.  
 (FROM DAILY OBSERVATIONS)

70 220 GALENA AFS AK 53-82  
 STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 230	231 500	501 1000	1001 2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0 1 0 4	0 5 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4						
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	6 1 20	OVER 120						
JAN								26.7	56.1	15.2				100.0	899				
FEB								19.7	47.9	29.5	.4	1.7	.9	100.0	919				
MAR							.1	13.9	53.6	24.4	6.1	.4	1.9	100.0	899				
APR	4.1	1.5	3.1	3.0	2.0	9.0	23.3	37.9	12.6	3.7				94.6	870				
MAY	79.5	6.5	3.1	3.1	1.4	1.3	2.9	1.7	.4					14.0	899				
JUN	100.0														900				
JUL	100.0														930				
AUG	100.0														930				
SEP	58.1	1.5	.3	.2										.6	900				
OCT	43.5	9.5	9.0	10.2	3.9	16.4	8.0	1.5						87.0	930				
NOV	1.0	2.3	7.8	6.9	5.9	23.6	36.1	16.4						96.7	900				
DEC					.2	17.2	33.9	47.6	1.1					100.0	924				
ANNUAL	43.4	1.7	1.9	1.9	1.1	5.5	13.7	22.1	6.9	.4	.2	.2		54.4	10809				

2  
 FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH

FROM DAILY OBSERVATIONS

7 220 SALENA AFS AK  
 STATION

53-92

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						0	0	0	0	3	3	9	15
54	17	11	15	13	TRACE	0	0	0	0	2	2	6	37
55	13	14	24	30	28	0	0	0	0	5	15	21	37
56	24	36	34	26	1	0	0	0	2	7	14	19	36
57	30	27	35	35	0	0	0	0	0	4	15	18	35
58	25	26	25	24	0	0	0	0	0	7	16	17	26
59	21	33	34	29	4	0	0	0	0	0	14	14	34
60	20	28	19	11	3	0	0	0	0	3	10	13	28
61	15	16	16	22	TRACE	0	0	0	0	6	14	13	27
62	15	18	22	14	15	0	0	0	TRACE	6	8	13	22
63	23	20	25	20	11	0	0	0	0	13	11	19	25
64	17	37	42	37	8	0	0	0	0	8	14	13	42
65	18	28	31	16	1	0	0	0	0	4	7	14	31
66	14	26	22	20	5	0	0	0	0	0	17	23	26
67	27	31	40	38	2	0	0	0	0	5	10	18	43
68	20	30	33	29	10	0	0	0	0	1	6	16	33
69	16	22	28	27	0	0	0	0	0	TRACE	6	12	28
70	14	12	11	7	0	0	0	0	0	6	18	24	24
71	31	63	64	46	19	0	0	0	0	8	21	27	64
72	19	13	21	42	28	0	0	0	0	1	3	8	42
73	19	20	33	24	3	0	0	0	TRACE	15	21	21	33
74	20	19	26	21	TRACE	0	0	0	0	16	17	18	24
75	18	25	23	22	1	0	0	0	0	9	13	23	25
76	27	31	26	24	13	0	0	0	0	4	13	14	31
77	10	11	14	17	3	0	0	0	0	4	8	12	17
78	11	11	10	9	0	0	0	0	0	9	15	10	30
79	30	32	20	15	0	0	0	0	0	3	14	12	32
80	14	24	15	15	0	0	0	0	0	1	5	7	24
81	11	25	25	16	0	0	0	0	TRACE	5	14	18	25
82	25	25	19	9	2	0	0	0	0	3	8	8	25
MEAN	19.7	24.6	6.0	22.8	5.7	.0	.0	.0	.2	5.6	11.9	16.0	30.1
SD	6.2671	.66810	.99510	.011	8.048	.000	.000	.000	.531	4.004	4.971	5.723	9.361
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	929	10805

NOTE \* (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

### EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

7 2220 GALENA AFS AK STATION NAME

63-82 YEARS

YEARS

#### DAILY PEAK GUSTS IN KNOTS

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
63						S	30S	27S	25SW	30E	25ESE	31NW	23E	33
64		E 21ESE	25E	20SSW	25SSW	34NW	*22N	21SW	37SSW	32ESE	26E	27E	29	S 37
65		E 25ESE	22ESE	20N	33S	26SSE	29SE	24SSE	26NNE	26N	30S	45W	36	S 45
66		ESE 33S	31NW	23E	22NNW	25WSW	25S	33SE	22SE	21N	27SW	32E	22	ESE 33
67		E 31ESE	28SW	35SW	33W	30W	24SW	30E	*22N	26E	32S	52E	25	S 52
68		E 26N	34SE	19E	35SSW	26SW	*2534	25 8/	19 9/	2411/	25 7/	2724/	34	E 35
69	11/	2927/	38 9/	2610/	29 3/	3615/	2823/	2924/	40 3/	3020*	3212/	2210/	21	24/ 40
70	3/	2522/	4022/	3710/	32 3/	3135/	2723/	2723/	28 8/	2511/	4024/	4021/	63	21/ 63
71	9/	21 9/	24 8/	40 1/	3124*	26 2/	3820/	2730/	2021/	35 9/	3327/	33 8/	36	5/ 40
72	8/	33 2*	3011/	3032/	21 3/	3015/	3011/	2518/	2810/	2825/	3310/	33 3/	38	3/ 39
73	21/	3111/	29 2/	22 9/	2014/	2910/	2319/	3123/	2421/	3010/	2722/	4118/	50	18/ 50
74	9/	3110/	3014/	29 2/	19 3/	2123/	2410/	24 9/	24 8/	2610/	3219/	38 1/	28	19/ 38
75	22/	2918/	27 7/	25 7/	27 4/	2118/	2427/	2123/	3717/	3311/	3623/	37 8/	33	23/ 37
76	8/	21 9/	2619/	3136/	2036/	2213/	2420/	2617/	22 1/	2211/	2418/	20 2/	30	19/ 31
77	10/	3036/	2411/	3035/	2316/	2621/	22 6/	30 5/	2521*	3010*	26 2*	2218/	13	18/ 33
78	9/	2011/	22 4/	34 2/	26 5/	2522/	2818/	2323/	2919/	3010/	3011/	3410/	30	9/ 34
79	11/	34 1/	19 8/	3318/	3624/	28 4/	3013/	3011/	3210/	26 3/	2021/	3721/	40	21/ 40
80	9/	35 8/	29 9/	2715/	2612/	2919/	2621/	2617/	2929/	2411/	25 9/	2736*	23	9/ 35
81	8/	2610/	24 2/	22 2/	27 9/	2633/	3821/	34 6/	21 1/	2617/	25 9/	3211/	25	33/ 38
82	8/	33 6/	29 9/	3018/	2720/	2921/	35 7/	2622/	2018/	4123/	3110/	3520/	34	19/ 41
MEAN		26.1	27.8	28.5	26.9	27.8	27.9	26.9	27.0	28.2	29.3	33.8	33.7	40.8
S D		5.005	5.480	5.660	5.307	4.004	4.837	3.646	6.164	5.124	4.888	8.636	9.793	9.104
TOTAL OBS		583	527	583	567	614	577	618	611	591	607	592	610	7080

NOTES \* (BASED ON LESS THAN FULL MONTHS)

S (BASED ON LESS THAN FULL MONTHS AND \*100 KNOTS)

USAF ETAC FORM 0-88-5 (OLA)

FEDERAL BUREAU OF SURVEY  
 U.S. DEPARTMENT OF COMMERCE  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 SALENA AFS AK STATION NAME 73-82 YEAR 1982

ALL WEATHER CLASS 0000-2400

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	0.3	5.3	1.0	0.2								11.7	4.1
NNE	1.2	1.7	0.4	0.1								3.7	4.4
NE	0.4	0.3	0.1	0.1								1.2	4.7
ENE	0.4	0.3	0.4	0.3								1.5	7.1
E	1.2	1.5	2.2	2.9	0.9	0.1						3.7	10.0
ESE	0.5	1.8	4.3	3.7	0.3							10.6	9.5
SE	0.0	0.5	0.6	0.4								1.3	7.2
SSE	0.1	0.0	0.0	0.0								0.6	4.7
S	0.0	0.4	0.5	0.0								1.3	6.9
SSW	0.1	0.1	0.5	0.1								0.8	7.6
SW	0.2	0.3	0.0	0.1								0.8	4.7
WSW	0.4	0.0	0.0	0.1								0.5	5.0
W	1.5	0.0	0.1	0.1								2.6	3.8
WNW	0.2	0.0	0.0	0.0								0.3	1.7
NW	0.6	0.0	0.0	0.0								0.6	1.7
NNW	1.6	0.3	0.2	0.0								2.2	5.2
VARBL													
CALM												1.5	
	14.3	14.3	10.4	6.2	1.2	1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 510

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-227-14762 SALENA AFS AK STATION NAME 73-92 YEARS 48X  
 ALL WEATHER CALM 0100-0500  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.4	5.8	.9	.5								12.0	4.1
NNE	.9	1.6	.9	.1								3.4	5.3
NE	.2	.2										.4	3.3
ENE	.1	.3	.2	.1								.8	7.0
E	1.6	1.8	1.7	3.4	1.0	.1						4.7	9.6
ESE	.5	2.6	4.0	2.9	.9							16.9	9.4
SE	.2	.9	1.0	.2								2.3	7.3
SSE		.2	.3	.1								.6	8.3
S	.2		.2									.4	5.5
SSW	.4	.4	.3	.1								1.3	5.3
SW		.2	.2	.3								.8	6.0
WSW		.2	.3	.1	.2							.9	10.9
W	3.5	.3										1.9	2.6
WNW	.2		.1									.3	4.3
NW	.4		.1									.5	3.4
NNW	1.7	.6	.1									2.0	3.6
VARB													
CALM												1.2	
	11.0	15.3	10.3	8.0	2.0	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 929

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10-220 STATION WLENA AFS AK STATION NAME 73-82 YEARS JAN MONTH  
 ALL WEATHER CLASS 0622-0630 HOURS (L.P.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	0.4	5.7	1.3	5								12.7	4.2
NNE	1.1	2.4	3	3								4.1	4.9
NE	3	1	1	1								6	6.5
ENE	3	4	2	1								1.7	8.4
E	1.3	1.3	1.9	2.6	6							7.7	9.5
ESE	9	1.9	4.6	2.8	2							12.4	4.1
SE	5	9	8	2								2.4	5.7
SSE			4	2								1.2	7.2
S	1	1	4	1								3	8.4
SSW	2	2	1	1								8	4.9
SW	2		1	2	1							1.1	6.9
WSW	2	5	3		2							1.4	7.2
W	1.2	4			1							1.5	4.3
WNW	2		1									3	4.7
NW	4	1	1									6	3.5
NNW	1.1	6	1									1.8	3.5
VARBL													
CALM												0.5	
	13.4	15.4	11.3	9.0	1.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 GALENA AFS AK STATION NAME 73-92 YEARS 1961

ALL WEATHER CLM 0900-1100

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.1	4.2	1.8	.3								72.5	4.7
NNE	1.5	1.5	1.0									4.4	4.6
NE			.1									.3	5.7
ENE	.3	.3	.3	.2	.1							1.3	7.0
E	1.7	.5	2.9	2.9	.9							8.7	10.0
ESE	.6	2.9	2.9	2.6	.3	.1						9.5	6.8
SE	.2	1.0	.5	.2								1.9	6.3
SSE	.4	.4	.3									1.2	4.7
S	.0	.1	.4	.1								.9	6.6
SSW	.1	.2	.1	.1	.2							.9	9.4
SW	.4	.1	.5									1.1	5.4
WSW	.4		.4	.2	.3							1.4	6.7
W	.9	.9										1.7	3.3
WNW	.2	.2	.1									1.1	3.3
MW	.2											.9	2.1
NNW	1.2	1.2	.1									2.5	3.4
VARBL													
CALM												49.9	
	15.7	14.1	11.6	6.7	1.8	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 920

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE / MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION: 14-000 CALENA AFS AA STATION NAME: 73-80 YEARS: JAN  
 CLASS: ALL WEATHER 1200-1400  
 HOURS (LST)  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.00	.61	1.6	.2								14.3	4.1
NNE	2.4	3.1	.6	.5								6.6	4.8
NE	.3	.2	.1	.1								.8	5.1
ENE	.2	.1			.1							.4	7.3
E	1.2	2.2	2.8	2.8	.8							9.6	6.1
ESE	.4	1.2	3.2	2.9	.6							8.4	10.8
SE	.7	.5	.6	.4								2.3	7.4
SSE	.1	.2	.2									.3	4.7
S	.2	.3	.1									.5	4.1
SSW	.1	.3		.2								.6	7.7
SW	.2	.4	.1	.4								1.2	7.7
WSW	.2	.4	.5	.4								1.6	8.2
W	.5	.8										1.3	3.3
WNW	.1	.1										.2	4.0
NW	.6											.6	2.0
NNW	1.4	.8										2.2	3.1
VARBL													
CALM												48.8	
	14.7	16.8	10.1	8.1	1.5							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-225 STATION SALENA AFS AK STATION NAME 73-82 YEARS 1968  
 ALL WEATHER 1538-1700  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	7.1	5.2	1.4	.5								14.2	4.1
NNE	2.7	3.2	.8	.7								7.6	4.6
NE	.5	.2										.5	2.6
ENE	.4	.5	.3	.4	.2							1.9	3.1
E	.6	1.7	2.3	1.6	.5							6.2	9.7
ESE	.2	1.6	3.0	3.3	.6	.1						9.9	10.4
SE	.3	.4	.6	.1	.1							2.3	6.3
SSE	.1	.3	.2	.1	.1							.8	7.4
S	.1	.2	.3									.6	6.5
SSW	.1	.1		.2								.4	7.8
SW	.3	.2	.8	.1								1.4	6.8
WSW	.2	.2	.6									1.1	6.6
W	1.3	.4										1.7	2.8
WNW	.2											.2	2.5
NW	.2	.1										.3	3.3
NNW	1.1	.5	.2									1.8	3.7
VARBL													
CALM												47.8	
	15.8	15.3	10.5	6.9	3.6	.1						100.9	3.2

TOTAL NUMBER OF OBSERVATIONS 938

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

75-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 73-82  
 ALL WEATHER CLASS 1920-2-100  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	5.7	1.0	.2								15.4	3.6
NNE	1.5	2.2	1.3	.2								5.3	4.0
NE	.4	.2										.6	2.2
ENE	.3	.2	.2	.2	.3							1.1	10.1
E	.6	1.2	2.6	2.7	.2							7.3	9.6
ESE	.6	1.5	2.6	3.8	.2							8.7	9.5
SE	.2	.5	.9	.8	.1							2.2	7.9
SSE	.2	.2	.6									1.1	6.8
S	.1	.1	.1									.3	5.3
SSW		.2		.1								.3	7.0
SW	.1	.3	.3	.7								1.1	7.9
WSW	.3		.5	.1								1.0	6.7
W	.8	.1	.1									1.0	3.0
WNW	.1	.3										.4	4.0
NW	1.1	.1										1.2	2.3
NNW	2.2	.8	.2									3.1	3.2
VARBL													
CALM												49.7	
	17.5	13.7	10.1	4.1	.9							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 928

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

220 SYSTEM      GALENA AFS AK      STATION NAME      73-82      YEARS      1974

ALL WEATHER      2130-2300

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.2	7.1	.0									13.1	4.0
NNE	1.7	1.8	.3	.2								4.1	4.6
NE	.1	.1	.2									.4	6.5
ENE	.1	.2	.3	.3								1.0	6.0
E	1.0	1.3	2.7	2.5	1.0	.3						8.1	10.5
ESE	.8	1.9	3.2	2.8	.1							8.8	6.9
SE	.4	1.2	.9	.6								2.7	7.2
SSE		.5	.3									.9	6.5
S	.9	.3	.3									1.1	4.7
SSW		.1	.1									.2	6.5
SW	.2	.3	.3		.2	.1						1.2	9.4
WSW	.3	.2	.3	.1								1.0	5.0
W	.6	.5	.1	.1								1.4	4.8
WNW													
NW	.6											.6	2.3
NNW	2.0	.6	.2									2.9	3.0
VARBL													
CALM												52.4	
	13.5	16.3	9.8	6.2	1.3	.4						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS      930

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-22-73 STATION NAME WALENA AFS AK YEARS 73-82 MONTH ALL

ALL WEATHER

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.1	5.6	1.2	.3								13.3	4.1
NNE	1.7	2.3	.7	.2								4.3	4.7
NE	.3	.2	.1	.0								.5	4.5
ENE	.3	.3	.3	.3	.1							1.2	4.2
E	1.1	1.9	2.9	2.6	.7	.1						8.3	9.7
ESE	.6	1.9	3.5	3.1	.4	.0						9.5	9.5
SE	.4	.8	.7	.3	.0							2.2	6.9
SSE	.1	.4	.3	.0	.0							.9	6.2
S	.2	.2	.3	.0								.7	6.1
SSW	.1	.2	.1	.1	.0							.7	6.8
SW	.2	.2	.3	.2	.0	.0						1.1	7.6
WSW	.3	.2	.4	.1	.1							1.1	7.6
W	1.0	.5	.0	.0	.0							1.6	3.5
WNW	.2	.1	.0									.4	3.6
NW	.6	.3	.0									.7	2.6
MNW	1.5	.7	.1									2.3	3.3
VARBL													
CALM												7.5	
	14.8	15.1	10.5	7.5	1.5	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7417

CENTRAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

~~225~~ GALENA AFS 44 STATION NAME 73 82 YEARS FEB  
~~0900-0200~~  
 ALL-FAIMER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	5.7	3.1	.6								14.5	4.0
NNE	1.1	1.7	.7									3.7	4.4
NE	.2											.2	2.0
ENE	.1	.2	.5									.8	6.0
E	.2	2.4	1.1	.9	.6							5.4	8.1
ESE	.2	1.5	2.2	2.2	.8							6.9	10.1
SE	.5	.6	.1	.2	.1							1.5	6.5
SSE	.2	.1	.1									.5	4.5
S		.2	.1									.4	6.0
SSW	.4	.1										.5	3.3
SW	.2	.1										.4	3.3
WSW	.4	.2										.6	3.2
W	2.0	.1		.1								3.0	3.1
WNW	.7	.1	.2	.1								1.2	4.4
NW	1.1	.2		.2								1.5	4.0
NNW	1.2	.9	.1									2.2	3.2
VARBL													
CALM												56.7	
	14.5	14.7	8.0	4.5	1.5							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 846

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

15-220 STATION WALINA AES AK STATION NAME 73-82 YEARS FEB  
ALL WEATHER  
CLEAR  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.6	5.5	3.9	.4								13.0	5.1
NNE	.9	1.2	1.1	.2								3.4	5.4
NE	.1	.1										.2	3.0
ENE	.6	.1	.1									.8	3.7
E	1.1	.9	2.6	2.5								7.1	8.7
ESE	.1	1.2	1.8	2.2	.5							5.4	10.3
SE	.4	.7	.6	.2								1.9	6.5
SSE	.5	.1	.2									.8	4.1
S			.8									.4	9.3
SSW		.1										.1	5.0
SW	.2	.2										.5	3.3
WSW	.5	.8										.1	3.0
W	2.1	.9	.8									3.4	1.6
WNW	1.4	.8										1.8	2.3
NW	1.4	.8		.2	.1							2.1	4.5
NNW	1.4	.7										2.1	3.2
VARBL													
CALM												55.2	
	15.4	12.8	10.6	5.8	.6							100.3	2.7

TOTAL NUMBER OF OBSERVATIONS 886

CENTRAL CLIMATOLOGY BRANCH  
 AF FETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2767 CALENA AFS AK STATION NAME 73-42 YEARS FEA  
ALL WINDS 6600 PA30  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	6.6	2.0	.5								13.1	4.7
NNE	1.1	1.3	1.7	.1								4.6	5.7
NE													
ENE	.1	.1	.2									.5	6.8
E	1.1	.6	1.7	1.5								5.2	8.4
ESE	.2	1.3	1.5	2.6	.1							5.8	10.1
SE	.4	.3	.1	.6								2.3	7.0
SSE	.1	.1										.2	3.5
S	.4	.2	.1	.2								.9	6.4
SSW	.1		.2									.4	6.7
SW	.1	.4										.5	3.8
WSW	.7	.4	.1									1.2	3.3
W	1.1	1.2										2.5	3.5
WNW	1.1	.6	.4									2.3	3.9
NW	.4	.4	.1									.8	3.9
NNW	.7	.6										1.3	3.3
VARBL													
CALM												59.3	
	12.3	14.5	8.2	5.9	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 846

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-220 STATION SALENA AFS AK STATION NAME 73-62 YEARS FEB 1954  
 CLASS ALL WEATHER  
 NUMBER 0920-1170  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	7.3	3.8	.1								15.7	5.0
NNE	.2	1.5	1.3									3.7	5.7
NE	.1	.2	.1									.5	4.8
ENE	.2	.1	.1									.5	5.0
E	1.2	1.7	1.3	2.4		.2						6.9	8.4
ESE	.7	1.4	2.5	1.9								5.5	8.5
SE	.4	.2	.4	.2								1.2	6.7
SSE	.2	.1	.1	.1								.5	5.0
S	.1	.2	.2	.4								.2	8.3
SSW		.1										.1	5.0
SW		.4	.1									.7	4.2
WSW	.7	.4	.1									1.2	3.1
W	2.1	.2	.1									3.2	3.0
WNW	.7	.7										1.8	3.3
NW	.7	.4										1.1	3.1
NNW	.6	.8	.4	.1								1.9	4.8
VARBL												54.1	
CALM													
	13.5	16.5	10.8	5.2		.2						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

886

CLIMATE CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 GALENA AFS AK STATION NAME 73-82 YEARS FEB 1954  
 ALL WEATHER CLASS 1200-1400  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.8	8.2	5.3	.0	.1							19.4	5.5
NNE	2.3	4.1	2.1	.2								9.5	5.1
NE	.6	.4	.1									1.1	3.7
ENE			.1	.1								.2	0.5
E	1.7	2.7	2.2	1.7	.4	.1						6.7	7.6
ESE	.7	1.1	1.9	1.4	.1							5.2	6.5
SE	.7	.5	.7									1.9	5.3
SSE	.4	.2		.1								.7	5.5
S	.5		.4	.1								1.1	6.7
SSW	.5			.1								.7	4.0
SW	.5	.6										1.1	3.7
WSW	1.4	.2	.2									1.8	3.1
W	2.2	.4	.1	.1								2.8	3.4
WNW	.6	.5	.4									1.4	4.0
NW	.7	1.1	.4									2.1	4.6
NNW	1.5	1.7	.4									3.5	3.8
VARBL													
CALM												38.7	
	20.0	21.5	14.3	4.8	.6	.1						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 646

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 222 SALENA AFS AK STATION NAME 73-82 YEARS FEF  
ALL WEATHER 1530-1730  
 CLASS MONTHS (E.T.P.)  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	10.6	4.6	1.1								25.1	5.0
NNE	1.2	2.5	2.4	.5								9.1	5.1
NE	.6	.2	.1									.9	3.1
ENE	.1	.1	.2	.2	.1							.8	1.1
E	1.5	1.5	2.1	1.4	.1							6.7	7.6
ESE	1.5	.8	2.5	1.9								6.7	6.0
SE	.2	.6	.6									2.1	4.4
SSE	.1	.1	.4									.6	6.8
S				.6								.6	12.2
SSW	.2	.1	.4									.7	5.8
SW	.9	.2	.2									1.4	3.6
WSW	.6	.4	.2									1.2	4.4
W	1.5	.5	.5									2.6	4.0
WNW	.5	.4	.1									1.1	3.4
NW	.5	1.1	.4									2.2	4.3
NNW	1.4	1.1	.2									4.7	3.0
VARBL													
CALM												33.3	
	25.8	20.8	14.9	5.7	.2							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 546

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 GALENA AFS AK STATION NAME 73-82 YEARS FEA  
ALL WEATHER 1955-1970  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.4	7.2	2.8	.6								17.3	4.0
NNE	1.5	1.8	2.2	.1								5.7	5.7
NE	.4											.4	2.3
ENE	.2	.5	.1	.2	.1							1.2	7.8
E	1.1	.9	2.7	2.1	.2							7.1	9.1
ESE	.7	.8	2.5	1.8	.1							5.9	8.8
SE	.6	.6	.1									1.5	3.3
SSE	.2	.5										.7	3.8
S	.1	.2										.4	3.7
SSW	.2		.1									.4	4.7
SW	.5		.1									.6	4.0
WSW	.5	.7										1.2	4.4
W	1.7	.2										1.9	2.6
WNW	.9	.4										1.2	3.1
NW	2.0			.2								2.2	2.7
NNW	1.9	1.2	.1	.1								3.3	3.8
VARBL												49.4	
CALM													
	12.0	15.0	10.9	5.2	.5							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 846

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 225 ALENA AK STATION NAME 73-6 YEAR 55  
 ALL WEATHER STATION  
 DATE 2122-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.2	0.9	2.7	0.6	0.1							14.6	5.0
NNE	1.2	1.4	1.2	0.1								4.5	4.8
NE	0.1	0.1										0.2	4.0
ENE	0.2	0.4	0.2									0.8	5.1
E	1.2	0.7	1.4	2.1	0.8							6.3	9.8
ESE	0.6	1.7	1.9	2.1	0.2							6.5	8.9
SE	0.2	0.4	0.5	0.1								1.2	6.3
SSE	0.1											0.2	6.5
S	0.1	0.1										0.2	3.2
SSW	0.1	0.1										0.2	3.5
SW	0.5	0.7										1.2	3.8
WSW	0.6											0.5	1.8
W	2.0	0.5	0.1									2.6	6.8
WNW	0.4	0.2										0.4	3.3
NW	1.2	0.1	0.1	0.2								1.7	4.4
NNW	1.2	1.4	0.1									4.5	6.9
VARIABLE													
CALM												53.9	
	17.6	13.7	8.3	5.3	1.2							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 344

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-229 SYSTEM GALENA AFS AK STATION NAME 73-82 YEARS PER

ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	7.0	3.5	.6	.0							16.7	5.0
NNE	1.8	2.0	1.6	.2								5.6	5.3
NE	.3	.1	.0									.4	3.4
ENE	.2	.2	.2	.1	.0							.7	6.7
E	1.2	1.4	1.9	1.9	.3	.0						6.7	8.6
ESE	.6	1.2	2.0	2.0	.2							6.1	9.2
SE	.5	.6	.4	.2	.0							1.7	6.7
SSE	.3	.2	.1	.0								.6	4.7
S	.2	.1	.1	.2								.6	7.3
SSW	.2	.1	.1	.0								.4	4.6
SW	.4	.3	.1									.8	3.7
WSW	.7	.3	.1									1.1	3.4
W	1.9	.7	.1	.0								2.7	3.3
WNW	.8	.4	.1	.0								1.4	3.6
NW	1.0	.4	.1	.1	.0							1.7	4.0
NNW	1.7	1.0	.2	.0								3.0	3.4
VARBL													
CALM												50.0	
	17.2	16.1	10.7	5.3	.6	.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 6760

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION Z01220 GALENA AFB AA STATION NAME 73-82 YEARS 1973

ALL WEATHER CLASS 0000-0200

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	6.2	6.9	2.0	.3								15.5
NNE	1.5	1.6	1.7	.1								4.9
NE	.2	.5	.3									1.1
ENE	.1	.1	.4	.1								.3
E	1.5	3.0	2.7	1.8	.3							9.4
ESE	.2	2.3	2.2	1.0	.2							5.5
SE	.4	.3	.6	.3								1.7
SSE	.1	.3	.1	.2								.8
S	.1	.1	.1	.2								.5
SSW				.1								.1
SW	.2	.3	.1	.1								.6
WSW	.5	.6	.4	.3								2.2
W	1.2	.5		.1								1.8
WNW	.9	.2										1.1
NW	1.2	.2										1.4
NNW	2.6	1.0	.1									3.7
VARBL												
CALM												43.6
	17.2	18.1	10.9	4.7	.5							100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 022 WALENA AFS AK STATION NAME 73-62 YEARS MAC  
 ALL WEATHER 0300-0500  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.1	5.3	1.7	.3								12.4	4.4
NNE	1.0	.9	1.3	.5								3.7	6.6
NE	.3	.3	.1									.8	4.9
ENE	.2	.5	.1	.1								1.1	5.1
E	1.2	2.2	3.5	1.6	.2							8.7	7.7
ESE	.8	2.4	2.3	.8	.2							6.3	7.3
SE	.5	.4	.2	.3								1.5	6.5
SSE	.2	.4	.3	.3								1.3	7.3
S	.2		.1	.1								.5	6.4
SSW	.1		.2	.4								.8	10.9
SW	.3	.6	.1	.2								1.3	5.3
WSW	.3	.6	.3	.1								1.4	5.8
W	1.9	1.0										2.9	3.1
WNW	1.2	.2										1.4	2.3
NW	.2											.8	1.8
NNW	2.7	1.2										3.9	3.1
VARBL													
CALM												1.3	
	17.1	16.0	10.3	4.8	.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-220 WALENA AFS AK STATION NAME 73-52 YEARS 1949  
 CLASS ALL WEATHER 0600-0600  
 COORDINATE 67° 00' N 158° 00' W

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.1	5.5	1.9	.6								13.1	4.7
NNE	1.5	1.4	1.5	.5	.1							5.1	6.8
NE	.2	.2	.2									.6	5.3
ENE	.2	.2	.5									1.0	6.7
E	.8	1.8	3.3	1.9	.6							8.5	9.2
ESE	.6	1.1	3.5	1.0	.1							6.8	7.8
SE	.7	.6	.5	.1								1.6	5.6
SSE	.1	.1	.3	.2								.8	7.7
S		.4		.2								.6	8.7
SSW	.1		.4	.3	.1							1.0	11.0
SW	.4	.2	.1	.2								1.0	5.9
WSW	.6	.5	.1	.3								1.6	5.7
W	1.9	1.1	.1									3.1	3.3
WNW	1.5	.3										1.8	2.5
NW	1.2	.2										1.4	2.3
NNW	1.7	.8	.2									2.7	3.3
VARBL													
CALM												49.7	
	16.4	14.5	12.9	5.5	1.0							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

7-225 71782 WALENA AFS AK STATION NAME 73-82 YEARS 1-62  
 ALL WEATHER  
 0000 1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	0.7	1.7	.4								10.1	4.9
NNE	1.5	3.2	2.5	1.1	.1							8.4	6.0
NE	.3	.9	.2	.2	.2							1.0	7.4
ENE		.4	.3	.3								1.1	6.5
E	1.4	1.6	3.0	2.3	.3	.1						8.7	6.7
ESE	1.2	2.3	2.5	1.7	.1							7.7	7.8
SE	.5	.6	.6	.2								2.0	5.9
SSE	.2		.2	.1								.5	7.0
S	.3	.3	.4	.3	.1							1.6	6.2
SSW	.1	.1	.5	.4	.1							1.3	10.1
SW	.6	.5		.1								1.3	4.1
WSW	1.0	1.3	.2	.6								3.1	5.8
W	2.5	1.2	.1									3.8	2.0
WNW	.4	.2										.6	1.3
NW	.9	.8	.3									1.0	3.8
NNW	1.4	1.3	.3									3.0	4.1
VARBL													
CALM												37.3	
	16.7	24.4	13.0	7.8	1.0	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7220 GALENA AFS AK STATION NAME 73-82 YEARS MAJ  
 DATE 12-22-1970  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	12.8	4.1	1.0								21.4	5.3
NNE	2.4	5.6	5.1	1.7	.1							15.9	6.8
NE	1.2	.9	.6	.6	.2							3.2	7.5
ENE	.5	.2	.3	.3								1.8	6.7
E	1.1	3.9	4.5	2.5	.4	.1						12.4	8.2
ESE	1.2	1.3	2.0	1.7	.2							6.2	6.8
SE	1.2	.5	.4	.1								2.8	8.8
SSE	.2	.1	.3	.2								.9	7.8
S	.4	.2	.6	.5								1.8	8.0
SSW	.5	.3	.5									1.8	5.2
SW	.8	1.6	.9	.8								4.0	6.6
WSW	1.5	.6	.4	.3								2.9	4.5
W	1.7	.9	.1									2.7	3.8
WNW	.4	.4	.2									1.1	5.1
NW	.6	.9	.3									1.9	4.6
NNW	.9	1.7	1.7									4.3	5.8
VARBL													
CALM												15.6	
	20.0	31.3	22.3	9.8	1.0	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 810

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

75-220 75-220 GALENA AFS AK STATION NAME 73-82 YEARS 1973-1982  
 ALL WEATHER PERIOD 1530-1700  
 CON OR

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.7	13.4	6.3	.6								26.6	5.3
NNE	4.2	7.7	6.3	2.7	.2							21.2	6.6
NE	.6	1.4	.6	1.0								3.7	7.4
ENE	.5	1.2	1.1	.2								3.3	6.0
E	1.7	2.5	4.7	2.6	.4							11.2	6.7
ESE	.5	1.3	1.5	1.2	.1							4.6	8.2
SE	.2	.3	.5									1.5	5.8
SSE	.2	.1	.3	.1	.1							.9	8.9
S	.2	.3	.8	.4								2.4	6.8
SSW	.6	.2	.1									1.3	3.1
SW	1.4	2.0	.8	.1								4.3	4.6
WSW	1.7	.6	.9	.2								2.7	5.1
W	1.3	.2	.3	.1								1.9	4.2
WNW	.3	.3	.1									.8	4.3
NW	.5	.2	.3	.1								1.2	4.9
NNW	.9	1.6	.9	.1								3.4	5.3
VARBL													
CALM												9.8	
	23.2	34.0	25.6	9.6	.9							100.0	5.7
TOTAL NUMBER OF OBSERVATIONS												910	

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 GALENA AFS AK STATION NAME 73-82 YEARS 442  
 ALL WEATHER 1800-2200  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	10.5	11.2	3.5	.2								26.5	4.3
NNE	4.5	5.5	5.4	.6								16.0	5.6
NE	.3	.6	.3	.4								1.7	6.8
ENE	1.4	1.3	.6									3.3	4.4
E	.9	2.3	3.0	1.8	.1	.3						8.4	8.5
ESE	.9	.8	1.3	.6	.2							3.3	7.9
SE	.6	.6	.2	.2								1.7	5.0
SSE	.2	.9	.3									1.4	5.2
S	.5	.2	.2	.4								1.8	6.3
SSW	.2	.3	.2	.3								1.1	7.9
SW	.6	.8	.4	.1								1.9	5.3
WSW	.6	.1	.9									1.6	5.6
W	1.1											1.1	2.0
WNW	.6	.1										.8	2.1
NW	.5	.5										1.1	3.8
NNW	2.2	1.1										3.1	2.8
VARBL													
CALM												26.1	
	25.7	26.2	16.5	8.8	.3	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 830

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

16-220 GALENA AFS AK STATION NAME 73 62 YEARS 1969  
ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	9.5	8.0	2.0	.2								19.7	3.9
NNE	2.3	4.2	2.5	.3								10.3	5.0
NE	.3	.3	.6	.1								1.4	6.2
ENE	.3	.2	.2									1.2	4.0
E	1.4	3.4	2.9	1.7	.5							10.3	7.8
ESE	.9	1.5	2.2	.9	.1							5.6	7.2
SE	.2	.4	.3	.2								1.6	6.8
SSE	.1	.4	.4	.1								1.1	7.6
S	.2	.1	.2									.5	5.0
SSW	.1			.1								.2	7.0
SW	.5	.4	.1	.1								1.2	4.3
WSW	.8	1.1	.1	.2								2.2	4.8
W	.5	.1		.1								.6	4.4
WNW	.5											.6	2.4
NW	.8	.3										1.1	2.8
NNW	2.8	.8										3.1	2.7
VARBL													
CALM												39.7	
	22.3	21.7	11.6	4.1	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 AFM/TAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 220 WALENA AFS AK STATION NAME 73-85 YEARS MAR  
 CLASS ALL WEATHER MONTH ALL  
 MONTHLY

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.4	0.0	2.0	.5								10.8	4.7
NNE	2.0	3.8	3.3	1.0	.1							10.7	6.1
NE	.4	.6	.4	.3	.1							1.8	6.8
ENE	.2	.5	.5	.1								1.6	5.7
E	1.1	2.6	3.5	2.0	.4	.1						9.7	8.3
ESE	.3	1.6	2.2	1.1	.2							5.8	7.8
SE	.5	.6	.4	.2								1.8	5.7
SSE	.2	.3	.3	.2	.0							.9	7.2
S	.3	.2	.3	.3	.0							1.2	7.3
SSW	.2	.1	.3	.2	.0							.3	7.9
SW	.6	.8	.3	.2								2.0	5.8
WSW	.9	.7	.4	.3								2.2	5.8
W	1.5	.6	.1	.0								2.3	3.3
WNW	.7	.2	.0									1.0	3.0
NW	.9	.4	.1	.0								1.8	3.8
NNW	1.9	1.2	.8	.0								3.8	3.8
VARBL													
CALM												39.7	
	19.8	23.3	15.8	6.8	.7	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7438

CENTRAL CLIMATOLOGY RANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

70-220 ~~1970~~ SALENA AFS AK STATION NAME 73-82 YEARS 1973  
 ALL WEATHER CONDITION 0000-2200

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	15.0	9.2	2.1									21.3	3.9
NNE	2.8	3.7	.8									7.2	4.0
NE	.4	.1	.1									.7	3.2
ENE	.5	.7	.6									2.0	4.6
E	1.7	1.8	2.1	.8	.7							6.6	6.7
ESE	1.7	1.2	.6	.1								3.6	4.2
SE	.7	.8	1.1	.1								2.7	5.8
SSE	.2	.5	.7	.3								2.0	7.3
S	.9	.2	.3	.6								2.0	6.0
SSW	.2	.6	.2	.1								1.1	6.7
SW		.7	.8	.3								1.4	7.8
WSW	.2	.6	.2	.1								1.1	6.0
W	.6	.3	.7									1.6	6.2
WNW	1.1	.2										1.3	2.6
NW	1.0	.3										1.3	2.3
NNW	2.7	1.3	.1									4.1	2.8
VARBL													
CALM												40.3	
	24.9	22.8	10.0	2.8	.2							170.8	2.7

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

72220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 487 MONTHS  
 ALL WEATHER CLASS 0300-0500 MONTHS (P.P.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.2	6.2	1.9									10.3	3.8
NNE	.2	2.1	.2									3.2	4.0
NE	.2	.1										.3	3.0
ENE	.4	.2										.7	2.8
E	2.2	2.3	2.2	.8	.1							7.4	5.2
ESE	1.2	1.9	1.4	.2								4.8	5.6
SE	1.2	1.2	.8									3.2	5.0
SSE	.1	.4	.3	.8								1.3	8.5
S	.6	1.1	.3	.8		.1						2.9	8.2
SSW	.6	.3	.1		.1							1.1	5.5
SW	.1	.2	.6									.9	6.9
WSW	.2	.3	.4									1.2	5.8
W	1.2	.7	.3	.1								2.3	4.2
WNW	.6	.8	.1									1.4	4.2
NW	1.8	.2	.1									2.1	2.5
NNW	2.4	1.7										3.8	2.6
VARBL													
CALM												47.7	
	21.4	19.2	8.7	2.3	.2	.1						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)**

15-220 STATION GALENA AFS AK STATION NAME 73-82 YEARS APR  
 ALL WEATHER CONDITION 0630-0830

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.4	8.4	2.6	.1								16.6	4.3
NNE	2.0	3.1	.9									6.0	4.2
NE	.3	.2										.6	2.8
ENE	.2	.4										.7	4.0
E	1.2	2.1	2.3	.4	.1							6.2	6.6
ESE	.7	2.7	1.8	.3								5.4	6.2
SE	1.1	1.4	.8	.2								3.6	5.3
SSE	.7	.6	.1	.1								1.4	4.2
S	.6	.7	.7	.7	.4							3.3	4.4
SSW	.2	.3	.2									.4	4.7
SW	.1	.2	.9									1.2	7.4
WSW	.1	.3	.3	.1								.9	6.9
W	2.1	1.6	.2									3.9	3.4
WNW	1.7	.4										2.1	2.8
NW	1.4	.6										2.0	2.8
NNW	2.4	1.6	.2									4.3	3.4
VARBL													
CALM												39.3	
	22.4	24.7	11.0	2.0	.6							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 500

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 35220 SALENA AFB AK STATION NAME 73-82 YEAR 1973  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.7	9.6	4.2	.6								17.3	5.2
NNE	3.2	5.2	2.4	.3								11.3	5.2
NE	.9	.9	.3	.1								2.1	4.9
ENE	.6	.4	.3	.1								1.4	5.2
E	1.2	2.3	2.9	.4								6.7	6.5
ESE	.7	1.1	2.9	.8	.1							5.6	7.7
SE	.9	1.4	1.3	.2								3.9	6.1
SSE	.3	.5	.4	.8								2.3	6.0
S	1.2	.7	1.4	.3								3.4	6.4
SSW	.7	.6	1.4	.2								2.2	6.5
SW	1.6	.9	1.1	.2								3.3	5.2
WSW	1.7	1.4	.6	.1								3.8	4.5
W	1.5	1.6										3.1	3.5
WNW	.4	.2										.7	2.8
NW	1.4	1.2	.4									3.1	4.0
NNW	2.0	4.4	1.1									7.6	4.9
VARBL												19.1	
CALM													
	22.6	32.8	21.2	4.2	.1							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE /MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

7-220 WALFNA AFS AK STATION NAME 73-62 YEARS 1933-1939  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	.0	.6								25.2	5.9
NNE	3.1	9.8	3.9	1.6								18.6	6.0
NE	.9	1.4	.7	.1								3.1	5.4
ENE	.7	1.3	.2	.1								2.3	4.6
E	.4	2.1	2.2	.9								5.7	7.4
ESE	.7	1.3	1.9	.4								4.2	7.1
SE	.6	1.2	1.6	.4								3.8	6.7
SSE	.2	.4	1.7	.4								2.4	8.5
S	.7	.3	1.2	.4								2.7	7.2
SSW	.7	1.3	1.7	.1								3.8	6.3
SW	.7	.8	.8	.3								2.6	6.3
WSW	1.2	1.2	1.3	.2								3.8	5.8
W	1.2	1.7	.2									3.1	4.1
WNW	.4	.4										.9	3.3
NW	.4	1.2	.9									2.6	5.8
NNW	1.0	2.5	1.8									5.6	5.8
VARBL													
CALM												9.2	
	16.3	40.7	27.0	5.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ALL WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NO. 10-225 STATION NAME WALEVA AFS AK YEARS 73-82 MONTH APR

CLASS ALL WEATHER MONTHS (1-12) 1533-1730

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.0	12.6	10.2	.9								27.7	6.2
NNE	3.7	11.1	9.7	.9								25.3	6.2
NE	1.7	2.6	.9	.2								5.2	5.2
ENE	.7	.8	.6									2.2	4.8
E	.4	2.5	2.0	1.5								5.4	7.5
ESE	.7	.3	1.3	.1								2.4	6.4
SE	.7	.3	1.4	.7								2.3	8.8
SSE		1.1	1.1	.8								3.2	8.4
S	.6	.9	1.6	1.2								4.2	6.2
SSW	.6	.5	.9	.1								2.3	6.3
SW	.6	1.2	1.3	.4								3.3	6.9
WSW	1.1	1.2	.7	.1								3.1	5.0
W	1.1	.5	.2	.2								2.3	5.0
WNW	.4	.1										.6	3.0
NW	.1	.6	.1	.1								.8	5.8
NNW	.4	1.3	1.7	.3								4.2	6.7
VARBL													
CALM												5.3	
	14.0	37.9	33.7	7.1								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 800

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

~~7-225~~ ~~GALENA AFS AK~~ STATION NAME ~~73 82~~ YEARS ~~1938~~  
~~1938-1940~~  
 ALL WEATHER  
 CLM  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	12.6	5.9	0.7								27.4	4.0
NNE	4.0	12.9	5.7	0.2								23.6	5.3
NE	1.7	1.6	0.9	0.1								3.0	4.0
ENE	0.6	1.4	0.4	0.1								2.6	5.5
E	0.7	1.6	1.7	0.4								4.6	6.7
ESE	0.3	0.8	1.0	0.2								2.3	6.6
SE	0.1	0.9	1.0	0.6								2.4	7.6
SSE	0.8	0.7	0.7	0.7								2.8	6.6
S	0.6	1.1	1.2	0.2								3.1	6.5
SSW	0.4	0.4	0.8									1.7	5.0
SW	0.9	0.4	1.2	0.3								2.9	6.4
WSW	0.9	1.0	0.4									2.3	4.6
W	1.0	0.3	0.1	0.1								1.6	3.7
WNW	0.2		0.1									0.3	4.3
NW	0.7	0.6	0.2									1.4	4.3
NNW	1.4	2.2	0.3									4.0	4.1
VARBL													
CALM												13.1	
	23.0	38.7	21.7	2.6								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 938

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

70220 STATION SALENA AFS AK STATION NAME 73-82 YEARS APR MONTHS  
 ALL WEATHER CLASS 2100-2300 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	12.8	3.2									24.9	4.4
NNE	4.9	6.9	1.3									13.1	4.2
NE	.2	1.2	.2									1.8	4.6
ENE	.5	.4	.2									1.2	4.8
E	1.2	1.1	1.6	.8								5.1	6.7
ESE	.9	.2	.9									1.9	5.6
SE	.6	.9	.9	.3								2.6	6.2
SSE	.7	1.3	.4	.3								2.8	5.2
S	.4	.6	.4	.3								2.0	6.8
SSW	.3	.6	.7									1.6	5.6
SW	.2	.9	1.1									2.2	6.5
WSW	.2	.6	.3									1.1	5.2
W	.9	.2	.1									1.2	3.0
WNW		.4	.1									.6	5.2
NW	.9	.8	.3									2.0	4.0
NNW	2.7	2.6	.2									5.8	3.8
VARBL													
CALM												30.6	
	23.3	32.3	12.0	1.8								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7230 GALENA AFS AK STATION NAME GALENA AFS AK YEAR 73-82 MONTH APR

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.9	10.6	4.8	.3								22.6	4.9
NNE	3.1	6.8	3.1	.4								13.5	5.3
NE	.7	1.0	.4	.1								2.2	4.9
ENE	.6	.7	.3	.0								1.6	4.7
E	1.1	2.0	2.1	.7	.1							6.0	6.7
ESE	.3	1.2	1.5	.3	.0							3.0	6.3
SE	.7	1.0	1.1	.3								3.1	6.3
SSE	.4	.8	.7	.5								2.3	7.2
S	.7	.7	.9	.6	.1	.0						2.9	7.5
SSW	.5	.6	.7	.1	.0							1.9	6.0
SW	.5	.6	.9	.2								2.3	6.4
WSW	.7	.8	.5	.1								2.1	6.2
W	1.2	.9	.2	.1								2.4	4.0
WNW	.6	.3	.0									1.0	3.8
NW	1.0	.7	.3	.0								1.9	3.9
NNW	1.9	2.2	.7	.0								4.8	4.4
VARBL													
CALM												25.5	
	21.3	31.1	18.2	3.7	.1	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7230

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: 7-226 SALENA AFS AK STATION NAME: 73-82 YEARS: MAY  
 CLASS: ALL WEATHER DATE: 0000-0-00  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	9.9	1.6	.1								16.4	4.1
NNE	4.2	4.7	.6									9.6	3.9
NE	1.1	1.0	.2									2.3	1.5
ENE	.5	.5										1.0	1.7
E	1.2	2.7	.6	.3								5.5	4.6
ESE	.9	1.2	.3	.1								2.5	4.7
SE	.9	1.2	.1									2.2	4.1
SSE	1.0	.2	.2	.1								2.2	4.3
S	.6	.9	.3	.2								1.9	5.5
SSW	.2	.1	.1									.5	4.8
SW	1.0	.9	.3									2.2	4.1
WSW	.5	.9	.5									1.8	4.6
W	1.6	1.1	.3	.1								3.1	4.3
WNW	.5	.3										.9	2.9
NW	1.1	.3										1.8	2.8
NNW	2.2	1.1	.1									3.3	3.0
CALM												41.2	
	25.2	27.1	5.5	1.0								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-220 STATION NO. SALENA AFS AK STATION NAME 73-82 YEAR MAY  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.2	7.0	1.7									15.9	3.9
NNE	2.5	3.0	.6									6.1	4.2
NE	.5	.8	.1									1.4	3.0
ENE	.3	.3	.2									.9	4.4
E	2.0	2.8	.3	.3								5.5	4.3
ESE	.9	1.5	.9	.3								3.6	5.7
SE	1.0	1.2	.2									2.4	4.1
SSE	.1	.3	.3	.2								1.0	6.0
S	.4	.8		.2								1.4	5.2
SSW	.5											.5	2.0
SW	.6	.5	.5									1.7	5.1
WSW	.9	.8	.9									2.2	5.3
W	1.6	.5	.3									2.5	3.5
WNW	.5	.1										.6	1.7
NW	1.1	.4	.1									1.6	3.1
NNW	3.0	.6	.2									3.8	2.8
VAP													
CALM												48.9	
	23.2	20.3	6.5	1.1								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 7-227 GALENA AFS AK STATION NAME 73-85 YEAR MAY  
 CLASS ALL WEATHER HOURS 0600-0000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.8	8.4	2.5									16.8	4.2
NNE	2.9	4.0	1.8	.3								9.0	4.9
NE	.4	.5	.4									1.4	5.2
ENE		.2	.1									.3	6.3
E	1.1	2.3	1.2	.6	.1							5.3	6.0
ESE	1.3	1.6	1.1	.4								4.4	5.7
SE	1.5	1.2	.8	.1								3.6	4.6
SSE	.3	.5	.6	.1								1.6	6.0
S	1.2	.5	.1	.8								2.5	6.1
SSW	.8	.3	.1		.1							1.3	4.6
SW	1.0	.8	1.2	.2	.1							3.2	6.3
WSW	1.5	1.4	.9	.3								4.1	5.1
W	1.5	1.2	.3									3.0	3.8
WNW	.0	.5	.1									1.4	3.8
NW	1.6	1.2	.2									3.0	3.6
NNW	1.8	2.0	.3									4.2	3.8
VARBL													
CALM												34.9	
	23.8	26.8	11.3	2.9	.3							100.3	3.1

TOTAL NUMBER OF OBSERVATIONS 878

CLIMATE CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

76-222 SYSTEM GALENA AFS AK STATION NAME 73-82 YEARS 1973-1978

ALL WEATHER

9022-1120

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	6.9	2.9	.2								13.4	5.8
NNE	1.9	5.3	2.4	1.0								10.5	5.9
NE	.9	1.1	.6	.4								3.1	6.2
ENE	.7	1.0	.3									1.6	5.7
E	2.3	4.1	2.7	.4								9.5	5.7
ESE	2.0	2.2	1.5	.5								6.2	5.7
SE	1.5	.6	1.6	.2								4.0	5.6
SSE	1.3	.8	1.0	.6								3.7	6.4
S	1.6	1.0	.8	.8	.1							4.2	6.5
SSW	1.1	.5	.4									2.0	4.2
SW	1.6	1.6	1.2	.8								5.2	6.1
WSW	1.7	2.2	1.4	.1								5.4	5.0
W	2.4	2.6	.5	.1								5.6	4.2
WNW	1.7	1.6	.6									4.0	4.5
NW	1.5	1.0	.6									3.1	4.1
NNW	1.6	2.3	.5									4.4	4.4
VARBL													
CAI												14.1	
	26.2	34.5	19.2	5.2	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 7-220 GALENA AFS AK STATION NAME 73-82 YEAR 1957 MAX. WIND SPEED 12-14  
 ALL WEATHER CLAS. 1222-1400 (GMT)  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	6.6	4.9	.0								14.6	6.3
NNE	1.1	3.4	4.5	1.2								10.5	6.9
NE	.4	.5	.5	.4								1.9	7.2
ENE	.9	.6	1.1	.3								2.9	6.3
E	1.5	4.1	3.5	1.1								10.3	6.8
ESE	1.0	1.4	2.7	.3								4.7	6.6
SE	1.4	1.2	.8	.3								4.3	5.1
SSE	.3	1.2	1.3	.6								3.2	6.8
S	1.1	1.5	1.3	.9								4.5	6.9
SSW	.4	1.4	.9	.2								3.2	5.8
SW	1.2	2.5	1.0	.8								5.1	5.8
WSW	.0	2.2	1.5	1.0								6.6	6.6
W	1.8	3.7	1.0	.2								6.7	4.6
WNW	1.1	2.5	.8									4.3	4.8
NW	1.1	2.2	1.0									4.1	5.3
NNW	.6	2.0	1.2									3.9	5.6
VARBL													
CALM												8.2	
	17.8	18.9	27.2	7.8								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

78-220 STATION 73-82 YEAR 1977  
 GALENA AFB AK STATION NAME ALL WEATHER 1502.730  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	5.4	5.2	.4								13.0	6.2
NNE	1.4	6.1	3.3	2.0								12.8	6.4
NE	.5	1.4	1.9	.9	.1							5.2	7.3
ENE	.3	1.6	1.6	.2								3.8	6.5
E	.8	2.7	4.3	.9								6.6	7.3
ESE	.5	1.5	.6	.1								3.0	5.2
SE	.4	1.4	1.1	.3								3.2	6.4
SSE	.5	1.3	.6	.6								3.3	6.5
S	1.7	1.6	1.4	.5								5.3	5.9
SSW	1.4	1.5	.5	.3								3.8	4.9
SW	.9	1.7	1.4	.6								4.6	6.6
WSW	.9	2.6	1.7	.3								5.5	6.1
W	2.3	3.0	1.2	.2								6.7	4.9
WNW	.5	2.0	.6	.1								3.3	5.0
NW	1.8	1.9	1.8	.1								4.8	5.2
NNW	1.5	2.5	1.8	.1								5.5	5.6
VARBL													
CALM												7.6	
	17.8	38.2	28.8	7.8	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 22 SALENA AFS AK STATION NAME 73-82 YEARS MAY  
 CLASS ALL WEATHER MONTH 1877-2200  
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	7.6	3.7	.5								16.5	5.0
NNE	3.3	5.6	4.2	1.2								14.3	6.0
NE	1.1	3.3	2.9	.2								7.5	6.2
ENE	1.0	2.2	1.1									4.1	4.9
E	1.2	4.3	1.5	.2								7.2	5.5
ESE	.2	1.6	.6	.3								2.8	6.1
SE	.6	1.0	.3									1.9	4.9
SSE	.2	.3	.2	.3								1.1	7.4
S	1.1	1.4	1.4	.3								4.2	5.9
SSW	.8	1.6	.3	.2								2.9	5.0
SW	.9	1.7	1.7	.9								4.7	6.2
WSW	1.1	1.9	1.5									4.8	5.5
W	1.1	2.2	1.3									5.3	4.6
WNW	.2	1.8	.2									2.8	4.5
NW	1.5	1.5	.9									3.9	4.6
NNW	1.4	3.2	1.1	.1								5.8	5.1
VARBL													
CALM												10.6	
	21.5	81.1	22.9	3.9								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14-225 WLENA AFS AK STATION NAME 73-52 YEARS MAY  
ALL WEATHER 2123-2390  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.2	6.4	1.2	.1								16.9	4.0
NNE	4.3	6.9	1.2									12.9	4.1
NE	2.0	3.1	.5									5.7	4.2
ENE	.6	1.1	.3									1.7	4.5
E	1.2	1.2	.5	.1								3.7	4.7
ESE	.5	1.2	.5	.1								2.4	5.4
SE	.6	.6	.1									1.4	4.8
SSE	.9	1.0	.4	.1								2.3	5.0
S	1.0	1.0	.2	.2								2.4	5.0
SSW	1.2	.1	.1									1.4	2.9
SW	1.7	1.3	.2	.3								3.6	4.4
WSW	.3	.8	.6	.1								2.3	5.2
W	1.4	.5	.2									2.2	3.5
WNW	.2	.5	.2									1.6	3.7
NW	1.5	1.0	.2									2.7	3.5
NNW	2.3	1.9	.2									4.4	3.7
VARBL													
CALM												12.4	
	28.5	31.1	6.9	1.1								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 020

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 222 GALENA AFS AR STATION NAME 73-85 YEARS MAY MONTHS  
 CLASS ALL WEATHER HOUR (L & T) ALL  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.0	7.5	2.9	.3								15.7	4.6
NNE	2.3	4.9	2.3	.7								10.7	5.4
NE	.2	1.5	.9	.2	.0							3.6	5.7
ENE	.5	.0	.6	.1								2.1	5.4
E	1.5	3.1	1.6	.5	.0							6.8	5.9
ESE	.9	1.5	1.0	.3								3.7	5.7
SE	1.0	1.1	.6	.1								2.8	5.0
SSE	.6	.8	.6	.3								2.4	6.2
S	1.0	1.1	.7	.5	.0							3.3	6.0
SSW	.5	.7	.3	.1	.0							2.0	4.7
SW	1.1	1.4	.9	.3	.0							3.8	5.8
WSW	1.0	1.6	1.1	.2								4.0	5.6
W	1.2	1.3	.6	.1								4.8	4.8
WNW	.8	1.2	.3	.0								2.8	4.3
NW	1.1	1.2	.6	.0								3.1	4.3
NNW	1.8	2.0	.6	.0								4.8	4.8
VARBL													
CALM												24.7	
	23.1	32.3	16.0	3.8	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7437

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

73-82 STATION SALENA AFS AK STATION NAME 73-82 YEAR 1973  
 ALL WEATHER  
 0000-2200  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.0	3.4	.1									7.0	3.2
NNE	2.4	.3	.1									3.3	3.1
NE	.3	.3										.7	3.0
ENE	.7	.7										1.3	3.2
E	1.0	.9	.6	.1								2.4	4.6
ESE	1.9	2.1	.4	.2								4.7	4.5
SE	1.2	2.2	.4	.3								4.2	4.9
SSE	1.6	1.6	.4	.3								3.9	4.7
S	.0	2.1	1.0	.1								5.4	4.7
SSW	1.1	.0	.7	.1								2.4	5.1
SW	.3	2.7	1.2	1.3								7.6	6.0
WSW	1.1	2.7	.7	.3								5.2	4.9
W	1.9	2.4	.4									4.8	4.0
WNW	1.4	.7	.2									2.3	3.5
NW	1.4	1.0	.2									2.7	3.5
NNW	2.6	.6	.1									3.2	2.6
VARBL													
CALM												18.8	
	27.6	24.1	6.7	2.9								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

15.22 STATION SALINA AFB AK STATION NAME 73-72 YEARS 1954

ALL WEATHER CLASS 0333-0500  
MOON (LTP)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	2.6										5.4	3.3
NNE	1.2	.4										1.3	2.9
NE	.1	.3										.4	3.5
ENE	.1	.1										.2	2.5
E	1.5	.9	.1	.1								2.9	3.8
ESE	2.2	1.3	.6	.2								4.4	4.7
SE	2.4	2.1	.6	.6								5.7	4.7
SSE	1.2	1.2	1.4									3.7	5.2
S	2.7	2.7	1.1	.1								5.9	4.4
SSW	1.1	.6	.4	.1								2.2	4.5
SW	2.2	1.2	2.5	.2	.2							6.3	6.3
WSW	2.3	4.3	1.6	.4								9.1	5.2
W	.1	3.1	.9									6.1	4.8
WNW	1.2	.2	.1									1.7	2.9
NW	1.1	.3										1.4	2.9
NNW	1.7	.7										2.6	3.1
VARBL													
CALM												19.3	
	25.6	23.2	5.8	1.9	.2							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND  
 BY DIRECTION AND SPEED  
 (FROM ALL OBSERVATIONS)

### SURFACE WINDS

7-220 SYSTEM GALENA AFS AR STATION NAME GALENA YEARS 1963-1969  
 Alt 4310 Meters (Feet) 14140  
 LOCATION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	4.4	1.1									9.2	4.1
NNE	1.2	1.2	.2									2.7	3.0
NE	.3											.3	2.0
ENE	.2	.2	.1									.7	3.8
E	1.6	1.1	.6	.7								3.9	5.7
ESE	1.8	2.7	1.2	.1	.1							5.7	5.3
SE	1.5	2.6	.6	.3								5.0	5.1
SSE	1.6	2.1	.4	.3								4.8	5.1
S	.2	1.3	2.4	.2								4.8	6.7
SSW	.6	.9	.9	.2	.1							2.7	6.9
SW	1.3	3.3	1.8	1.8	.1							8.3	7.2
WSW	2.1	3.9	1.2	.6	.1							7.9	6.8
W	3.3	4.4	1.7									9.4	6.8
WNW	1.3	1.3	.6									3.7	5.8
NW	1.4	1.1	.1									2.7	3.7
NNW	2.5	1.4	.3	.1								4.2	4.0
VARBL													
CALM												23.9	
	25.9	32.8	13.0	4.3	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

70-220 STATION SALENA AFB AK STATION NAME 73-82 YEARS JULY  
 ALL WEATHER CLASS 0900-1100 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.1	5.1	1.3									6.6	4.6
NNE	.3	1.4	1.2									3.0	6.1
NE	.7	.4	.2	.1								1.4	4.5
ENE	.7	.2	.1									1.0	3.8
E	2.2	2.3	1.8	.7								6.8	5.7
ESE	1.2	2.2	1.1	.1								4.7	5.6
SE	1.2	1.0	1.3	.1								3.6	6.0
SSE	1.1	1.1	1.1	.4								3.8	6.0
S	1.8	1.4	3.2	.9								7.3	7.0
SSW	1.0	2.0	1.3	.4								5.7	5.5
SW	2.6	3.2	3.3	1.4								10.6	6.6
WSW	1.4	2.8	2.4	.9								7.7	6.4
W	3.0	4.6	1.2									8.8	4.5
WNW	1.1	3.8	1.0									5.9	5.1
NW	1.1	2.0	1.1									4.2	4.8
NNW	.3	1.6	.7									2.6	5.3
VARBL													
CALM												10.5	
	22.4	35.4	22.6	5.1								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 888

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7-2225 STATION GALENA AFS AK STATION NAME 73-92 YEARS 1968-1990  
 ALL-WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	4.1	2.7	.3								6.1	6.0
NNE	.5	1.7	1.0									3.2	5.6
NE	.7	.4	.2	.3								1.3	6.3
ENE	.4	.1	.2									.8	5.0
E	1.2	1.6	1.0	.6								5.3	5.5
ESE	1.4	2.1	.6	.1								4.2	4.5
SE	1.6	.9	.8	.8								4.3	6.3
SSE	1.7	.9	.9	.3								3.8	5.1
S	1.7	8.1	3.9	1.8								11.1	6.7
SSW	2.1	2.6	2.2	1.2								8.1	6.5
SW	.9	2.9	3.2	1.0								8.0	7.2
WSW	1.1	2.6	2.6	1.7	.1							8.3	7.8
W	2.9	8.8	2.6	.3								10.6	5.3
WNW	1.6	3.7	1.1	.1								6.4	5.1
NW	.4	2.6	1.1	.1								4.2	5.7
NNW	1.0	1.8	1.8	.1								4.3	5.8
VARBL													
CALM												9.0	
	27.3	36.7	25.8	8.8	.1							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

750220 STATION SALENA AFS AK STATION NAME 73-82 YEARS JUN 1964  
 ALL WEATHER CLASS 1500-1700 HOURS (L.P.P.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	4.4	3.4	.1								9.9	5.9
NNE	.2	1.8	1.1									3.7	5.1
NE	.4	1.1	.2									1.8	4.4
ENE	.2	.2										.4	3.3
E	1.3	1.5	1.0	.4								4.2	5.7
ESE	1.0	1.3	.4	.2								3.7	5.0
SE	1.1	1.1	1.1	.4								3.8	6.0
SSE	1.7	1.3	1.2	.1	.1							4.4	5.4
S	2.1	2.0	3.3	1.3								9.7	6.7
SSW	1.2	2.2	2.1	.6								5.9	6.6
SW	2.1	4.2	4.0	1.1								11.4	6.6
WSW	.7	2.7	3.8	1.2								8.3	7.4
W	2.1	4.4	2.3	.2								9.1	5.5
WNW	1.3	3.1	.6									5.0	4.8
NW	1.1	3.1	2.0									6.2	5.8
NNW	.3	2.4	1.1	.1								4.0	5.7
VARBL													
CALM													8.7
	19.6	38.0	27.8	5.9	.1							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-225 STATION GALLINA AFS AK STATION NAME 73-62 YEARS 1960  
 ALL WEATHER  
 1800-2600  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	6.2	2.2	.1								11.1	4.9
NNE	.4	1.9	.7									3.0	5.4
NE	.9	.6	.4	.1								2.0	4.7
ENE	.6	.4	.2									1.2	4.0
E	.8	1.2	1.3									3.3	5.6
ESE	1.0	1.4	.4	.2								3.1	5.1
SE	.6	1.0	.4	.3								2.6	5.4
SSE	.7	1.4	.6	.8								3.1	6.1
S	2.2	3.3	2.4	.9	.1							9.0	6.8
SSW	1.9	2.3	1.3	1.1								6.7	6.4
SW	1.8	3.6	3.1	.8	.2							9.4	6.7
WSW	1.0	2.7	3.2	.7								7.6	6.7
W	1.2	3.2	1.4									5.9	6.1
WNW	1.3	2.1	.9	.1								4.4	4.9
NW	1.9	2.7	1.6	.1								6.2	6.1
NNW	1.4	3.7	1.4									5.9	5.1
VARBL													
CALM												15.4	
	20.8	37.1	21.8	8.9	.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 70-222 SALENA AFS AK STATION NAME 73-62 YEARS JULY  
2047  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.7	3.1	1.2									9.0	3.0
NNE	2.0	1.5										3.5	3.3
NE	.4	.6	.4									1.4	5.3
ENE	.7	.1										.8	2.3
E	1.2	1.0	.6	.2								3.0	4.9
ESE	1.2	1.6	.9	.2								3.9	5.1
SE	1.7	2.1	.6	.2								4.6	4.8
SSE	.8	1.2	.3	.2	.1							2.7	5.6
S	1.8	2.2	1.3	.3								5.7	5.2
SSW	2.4	1.1	1.1	.8	.1							5.6	5.7
SW	1.7	2.4	2.3	.9	.1							7.2	6.1
WSW	1.7	2.0	.9	.3								4.9	5.2
W	1.3	2.2	.7									4.2	4.8
WNW	1.3	1.3	1.0									3.7	4.6
NW	2.1	1.6										3.7	3.2
NNW	4.8	2.0	.4									7.2	3.1
VARBL													
CALM												79.1	
	29.8	26.2	11.8	2.8	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

7-225 STATION 77-82 YEARS 1968

ALL WEATHER  
 CLIM

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.1	1.5	.1								3.7	4.5
NNE	1.1	1.4	.5									3.3	4.5
NE	.4	.5	.2	.1								3.2	4.7
ENE	.5	.3	.1									.8	3.5
E	1.4	2.3	.9	.3								4.0	5.3
ESE	1.5	1.2	.7	.2	.0							4.3	5.0
SE	1.4	1.6	.7	.8								4.1	5.3
SSE	1.2	1.4	.8	.3	.0							3.7	5.4
S	1.9	2.4	2.3	.7	.0							7.4	6.1
SSW	1.5	1.5	1.3	.6	.0							4.9	6.0
SW	1.8	3.0	2.6	1.0	.1							8.6	6.6
WSW	1.5	3.0	2.0	.8	.0							7.3	6.1
W	2.2	3.6	1.8	.1								7.3	6.8
WNW	1.5	2.7	.7	.0								4.2	6.5
NW	1.3	1.8	.8	.0								3.8	6.6
NNW	1.8	1.8	.7	.0								4.3	6.3
VARBL													
CALM												22.4	
	24.1	31.6	17.2	4.5	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 7100

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 75-27 SLENA AFS AK STATION NAME 73-82 YEAR 73

ALL WEATHER CLASS

CONDITION

0000-0000

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED	
N	3.3	.6										4.4	2.5
NNE	2.7	.2	.1									2.4	2.9
NE	.3	.2										.5	3.2
ENE	.5	.3										.9	3.1
E	1.4	1.1	.3									2.9	3.7
ESE	1.7	1.2	.4									2.9	4.1
SE	2.8	2.8	.9	.2								6.7	4.3
SSE	2.4	2.9	.4	.1								4.7	4.2
S	2.7	2.0	.9									5.8	4.1
SSW	1.7	1.2	.6	.1								3.9	4.4
SW	1.0	3.1	1.5	.3								6.3	5.1
WSW	1.4	3.7	1.6	.2								6.9	5.3
W	2.4	2.6	.5									5.5	3.8
WNW	2.2	.5										2.7	2.6
NW	.9	.3	.1									1.3	2.9
NNW	1.7	.5										2.3	2.7
VARBL													
CALM												36.8	
	30.0	23.3	6.9	1.0								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 933

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

70-225 VALERIA AFS AK STATION NAME 73-82 YEAR 1982  
 ALL WEATHER CONDITION 38-2590

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	1.3	.3									4.3	3.2
NNE	1.4	.4										1.8	2.7
NE	.4	.1										.5	2.2
ENE	.1	.2										.3	4.0
E	1.4	1.4	.4	.1								3.3	4.5
ESE	1.7	2.3	.3	.1								4.4	4.2
SE	2.2	3.4	1.0	.1	.1							6.8	4.7
SSE	2.2	2.3	.2	.1								5.5	3.8
S	3.4	2.0	.8	.1								6.7	3.9
SSW	1.0	.0	1.2	.1								3.1	5.6
SW	1.1	2.3	2.3	.7								5.9	6.2
WSW	1.4	2.5	1.5	.1								6.0	5.0
W	2.7	3.3	.1	.1								6.2	3.7
WNW	.9	.1										1.0	2.2
NW	1.3											1.3	2.1
NNW	.9	.1										1.0	2.2
VARBL													
CALM												41.8	
	26.2	22.6	8.1	1.2	.1							130.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 ALFA AFS AK STATION NAME 73-82 YEARS JUL  
 CLASS ALL WEATHER MONTHS (1-12) 0600-2000  
 CONDITION \_\_\_\_\_

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	2.6	.2									5.6	3.3
NNE	1.7	.3										2.0	2.6
NE	.4	.1										.5	2.4
ENE	.3		.1									.4	3.0
E	1.2	.0	.3	.1								2.5	4.0
ESE	2.6	2.2	2.4	.3	.1							7.5	5.7
SE	1.7	3.7	1.0									5.7	4.6
SSE	2.2	2.7	1.0	.2								6.2	4.8
S	1.8	1.6	1.5	.4								5.4	5.7
SSW	1.1	1.1	.0	.3								3.5	5.6
SW	2.4	1.2	2.7	.9								7.8	6.0
WSW	1.6	2.8	2.8	.2								7.6	5.7
W	1.3	2.5	.3									6.1	3.5
WNW	1.9	.9										2.8	2.8
NW	1.2	1.0	.1									2.3	3.3
NNW	1.1	.4	.1									2.0	2.8
VARBL													
CALM												72.3	
	20.2	23.9	13.3	2.5	.1							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 810

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

NO. 220 STATION SALENA AFS AK STATION NAME SALENA AFS AK YEARS 73-82 1983-1983  
 ALL FAIR ALL  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.4	.6									5.2	4.0
NNE	1.3	.2	.2									2.4	3.5
NE	.5	.3	.1									1.0	4.0
ENE	.1	.1										.4	2.5
E	2.2	1.5	1.3									4.9	4.6
ESE	1.1	2.5	1.7	.2	.1							5.7	6.0
SE	1.7	1.9	1.6	.3								5.6	5.5
SSE	1.7	2.1	1.7	.3								5.4	6.7
S	2.5	2.5	2.9	1.0	.1							6.9	6.4
SSW	.2	1.1	1.8	.1								4.6	6.0
SW	2.2	2.1	2.2	.9								6.0	6.2
WSW	1.7	3.1	2.6	.9								6.5	6.1
W	4.2	3.8	1.3	.1								9.4	4.2
WNW	2.1	1.6	.2	.1								4.2	4.1
NW	1.3	1.6	.2									3.1	4.1
NNW	1.6	1.4	.1									3.1	3.4
VARBL													
CALM												19.5	
	27.3	30.5	16.6	3.9	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 970

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 225 JALFNA AFG AK STATION NAME 73-82 YEARS 1957-1958  
 CLASS ALL WEATHER HOURS (L Y) 1000-1400  
 CONDITION

SPEED (KNTS), DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	3.1	.5									6.0	4.2
NNE	.6	1.2	.4									2.3	4.5
NE	.4	.4	.1									1.0	4.2
ENE	.1	.0	.1									.8	3.4
E	1.2	2.5	1.6	.1								5.5	3.4
ESE	.2	1.2	1.3									3.3	3.9
SE	1.2	1.4	1.7	.3								5.6	5.6
SSE	1.4	2.3	1.5	.4								5.9	5.0
S	1.6	3.8	2.6	1.5	.2							9.7	7.0
SSW	1.7	1.9	2.0	1.0	.1							6.5	6.5
SW	1.5	2.6	4.1	1.0	.1							9.8	6.9
WSW	2.2	2.5	4.5	.8								10.2	6.5
W	4.4	3.2	1.1	.1								8.8	4.0
WNW	1.0	1.8	1.0									4.3	4.0
NW	1.1	3.1	.4	.1								4.6	4.7
NNW	.5	2.5	.4									3.8	4.9
VARBL													
CALM												12.7	
TOTAL	31.7	34.1	23.8	5.3	.8							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

AL CLIMATOLOGY BRANCH  
AFETAC  
A WEATHER SERVICE/PAL

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ALL-FA-17 YEARS: 1952-1959  
CONDITION: ALL-FA-17

SPEED KNTS. DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED
N	1.2	4.6	1.1	.1								7.4
NNE	1.0	1.0	.4									3.0
NE	.1	.5	.3									1.0
ENE	.1	.2	.5									1.5
E	1.7	2.2	1.2	.1								5.2
ESE	1.1	2.4	.3									4.7
SE	1.4	2.2	1.3	.2								5.1
SSE	.2	1.7	1.9	.1								4.6
S	1.0	2.3	1.0	1.1	.1							7.7
SSW	1.2	2.4	2.4	.3	.1							6.3
SW	2.4	3.1	4.7	.8	.1							13.1
WSW	1.0	1.2	4.6	1.2								10.9
W	2.3	2.7	1.7	.3								7.0
WNW	2.7	2.7	1.2	.1								6.5
WV	1.3	1.1	.5	.2								5.9
NNW	1.2	1.7	.3									3.0
VARBL												10.8
CALM												
	22.6	35.8	6.0	4.5	3							100.0

TOTAL NUMBER OF OBSERVATIONS

AD-A134 211

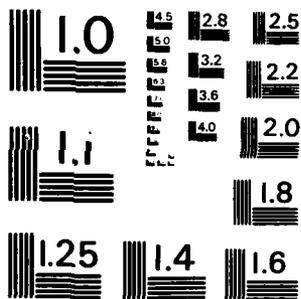
GALENA AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 28 JUL 83  
USAFETAC/DS-83/035 SBI-AD-E850 429 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 222 GALENA AFS AK STATION NAME 73-82 YEARS JUL  
 MONTH 1900-2000  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.1	3.7	.8									7.5	4.0
NNE	1.5	1.6	.6									3.8	4.2
NE	.5	.9	.3	.1								1.8	5.0
ENE	.6	.8	.4	.1								1.9	5.3
E	1.9	2.5	1.0	.1								5.5	4.7
ESE	1.2	1.9	.8	.1								4.0	4.8
SE	1.3	1.3	.9	.1								3.5	5.1
SSE	1.1	1.7	.6	.1								3.5	4.8
S	1.8	3.3	2.2	.6								8.0	5.8
SSW	1.0	2.3	1.4	.9	.1							5.6	7.0
SW	2.8	4.1	2.8	.9	.2							10.8	6.1
WSW	1.7	3.9	3.8	.5								9.9	6.3
W	1.1	2.6	1.1	.1								4.8	5.3
WNW	1.3	1.8	.3									3.8	4.3
NW	2.5	2.4	.5									5.4	3.9
NNW	2.0	3.1	.2									5.4	3.8
VARBL													
CALM												15.2	
	25.5	37.7	17.6	3.7	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 1971  
~~1982-1990~~  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	1.2	.2									4.9	2.9
NNE	2.4	1.4	.1									3.9	3.2
NE	1.2	.4										1.6	2.9
ENE	1.2											1.2	2.0
E	1.3	1.2	.3									2.8	3.9
ESE	1.2	1.4	1.2									3.8	5.1
SE	1.4	1.6	.3									3.3	3.9
SSE	2.0	2.4	.9	.2								5.5	4.6
S	3.1	3.3	1.6									8.1	4.6
SSW	2.3	2.7	.6									5.6	4.2
SW	2.6	3.2	1.5	.5								7.8	5.1
WSW	1.5	3.3	1.8	.2								6.9	5.4
W	1.6	1.6	.4	.1								3.8	4.2
WNW	2.0	.8	.1									2.9	3.3
NW	2.4	1.0	.1									3.4	2.9
NNW	2.7	1.4										4.1	2.9
VARBL													
CALM												30.4	
	32.4	26.9	9.2	1.1								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7220 GALENA AFS AK STATION NAME 77-62 YEARS               MONTH         
 ALL WEATHER CLASS        ALL HOUR (L & T)         
 CONDITION       

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.5	.5	.0								5.7	3.8
NNE	1.5	1.0	.2									2.7	3.6
NE	.5	.4	.1	.0								1.3	3.9
ENE	.5	.3	.2	.0								.9	4.2
E	1.5	1.6	.8	.1								4.1	4.6
ESE	1.4	1.9	1.1	.1	.0							4.5	5.2
SE	1.8	2.2	1.1	.2	.0							5.3	4.9
SSE	1.8	2.2	1.1	.2								5.3	5.0
S	2.4	2.6	1.9	.6	.1							7.5	5.7
SSW	1.4	1.8	1.4	.3	.0							4.9	5.8
SW	2.1	2.9	2.6	.7	.1							8.8	6.1
WSW	1.8	3.1	2.9	.5								8.8	6.0
W	2.7	2.8	.8	.1								6.5	4.2
WNW	1.8	1.3	.3	.0								3.5	3.8
NW	1.5	1.4	.3	.0								3.2	3.9
NNW	1.5	1.4	.1									3.1	3.6
VARBL													
CALM												25.1	
	27.0	29.4	15.4	2.9	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 7480

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2226 STATION GALENA AFS AK STATION NAME 73-82 YEARS ALL  
~~ALL WEATHER~~ 0800-0200  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.5	.1									3.2	2.6
NNE	1.1	.1										1.2	2.5
NE	.6											.6	1.7
ENE	.9											.9	1.8
E	2.3	.8	.8	.6								4.8	5.2
ESE	2.5	2.9	1.4	.2								7.0	4.7
SE	2.4	2.0	.6									5.1	4.0
SSE	1.6	2.4	.2									4.2	4.0
S	2.0	1.6	.3									4.0	3.8
SSW	1.6	1.6		.1								3.3	3.8
SW	1.8	2.0	1.2	.6	.2							5.9	6.0
WSW	1.7	2.7	1.4									5.8	5.2
W	1.9	1.3	.2									3.4	4.0
WNW	.8	.1	.1									1.0	3.3
NW	.8	.5	.1									1.4	3.5
NNW	.8	.3										1.1	3.2
VARBL													
CALM												48.0	
	28.8	18.9	6.5	1.6	.2							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70220 STATION GALENA AFS AK STATION NAME 73-82 YEARS AUG  
0300-0500  
 CLASS ALL WEATHER  
 HOUR (L.P.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.5										2.8	2.6
NNE	1.1											1.1	2.0
NE	.5											.5	1.6
ENE	.5		.1									.6	3.2
E	1.0	1.3	.3	.3	.1							3.7	5.8
ESE	4.2	3.6	1.1	.4								9.3	4.4
SE	2.7	3.6	1.1	.2								7.5	4.5
SSE	2.4	2.5	1.1									5.9	4.3
S	2.7	.9	.5									4.1	3.5
SSW	.9	1.5	.3									2.7	4.2
SW	1.2	1.8	.9	.4	.1							4.4	6.1
WSW	1.3	3.0	.6	.3								5.3	5.1
W	2.2	1.3	.4									3.9	3.8
WNW	1.4	.2										1.6	2.5
NW	.4	.3										.8	3.1
NNW	1.7	.2	.1									2.0	2.6
VARBL													
CALM												44.5	
	26.4	20.7	6.6	1.7	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

7-2220 STATION 73-82 YEARS 416  
 STATION NAME GALENA AFS AK  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	.6	.1									4.4	2.5
NNE	1.6	.4										2.3	2.8
NE	.2											.2	2.0
ENE	.3	.2										.5	3.2
E	1.4	1.4	1.6	.2								4.6	5.7
ESE	2.5	3.9	1.6	.3								8.6	4.9
SE	3.3	3.1	1.3	.1								7.8	4.3
SSE	1.8	2.5	.4									4.7	4.1
S	2.2	1.5	1.3	.2								5.2	5.1
SSW	1.3	.6	.3	.1								2.4	4.0
SW	1.2	1.3	1.8	.6								5.5	6.5
WSW	1.7	3.7	1.2	.1								5.9	5.1
W	1.7	2.7	.3									4.7	4.0
WNW	1.3	.4										1.7	2.8
NW	1.2	.6	.2									2.0	3.5
NNW	1.9	.2										2.2	2.2
VARBL													
CALM												37.4	
	26.9	23.8	10.2	1.7								106.3	2.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

70220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 4  
 ALL WEATHER CLASS 0000-1100 HOURS (L.T.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	3.4	.6									7.7	4.0
NNE	1.5	1.0										2.5	3.2
NE	.5	.3	.1									1.2	3.8
ENE	.3	.1	.1									.5	3.2
E	2.4	4.4	1.9	.8	.1							9.6	5.7
ESE	1.8	4.5	2.2	.4								8.9	5.6
SE	1.5	2.8	.8									5.1	4.4
SSE	1.3	1.5	1.7	.2								4.7	5.8
S	1.4	2.3	1.8	.4								5.9	5.9
SSW	1.8	1.2	.4	.2								3.7	4.5
SW	1.3	2.2	3.0	.4								6.9	6.6
WSW	1.6	2.9	2.4	.3								7.2	5.9
W	2.0	3.2	.9									6.1	4.5
WNW	1.7	2.2	.3									4.2	3.9
NW	2.2	1.3	.2									3.7	3.8
NNW	1.5	1.6	.2									3.3	3.8
VARBL													
CALM												19.0	
	26.6	38.8	16.7	2.8	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7C 222 STATION GALENA AFS AK STATION NAME 73-82 YEARS 1966  
 ALL WEATHER CLASS 1200-1430 HOURS (C.M.T.)  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.8	.8									6.6	4.7
NNE	1.2	1.8	.6									3.7	5.0
NE	.5	1.0	.1									1.6	4.1
ENE	.4	.2	.4									1.1	4.7
E	2.6	4.0	2.5	.4								9.5	5.6
ESE	1.7	2.3	2.0	.2								6.2	5.6
SE	1.4	1.7	1.0									4.1	4.8
SSE	1.1	1.0	1.6	.3								4.0	6.4
S	2.0	2.2	3.7	.2								6.1	6.2
SSW	.9	2.5	.8	.5								4.6	5.8
SW	1.9	3.3	3.2	.4								8.9	5.9
WSW	2.5	3.4	2.4	1.0								9.2	5.8
W	2.9	3.4	1.4									7.7	4.5
WNW	1.4	2.3	.4									4.1	4.2
NW	1.2	.9	.8									2.8	4.7
NNW	1.7	2.3	.8									4.7	4.5
VARBL													
CALM												13.1	
	25.5	35.9	22.4	3.1								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

7-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS AUG 1984  
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.1	.6									7.3	3.9
NNE	1.9	1.8	.4	.1								4.3	4.2
NE	.8	1.1	.2									2.7	4.1
ENE	.5	.3										.9	3.0
E	2.2	3.3	2.5	1.1								9.7	6.7
ESE	1.9	1.8	1.2									4.9	4.7
SE	.9	1.6	1.1	.2								3.6	5.5
SSE	1.0	1.6	1.3	.3								4.2	5.6
S	1.1	3.1	2.3	.3								6.8	6.1
SSW	1.1	3.7	1.4	.2								5.7	5.5
SW	1.6	3.0	4.1	1.0								9.7	6.9
WSW	1.1	2.9	2.6	1.2								7.7	7.7
W	1.6	2.4	1.2									5.2	4.7
WNW	2.7	2.3	.3									5.3	3.7
NW	1.4	3.5	.9									5.8	4.5
NNW	1.0	2.0	.5									3.5	4.6
VARBL													
CALM												13.9	
	24.2	37.0	20.5	4.8								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 1966  
 ALL WEATHER MONTHS (E, F, J, J, A, S, O, N, D)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	1.8	.1									7.1	2.8
NNE	2.5	1.8	.3									4.6	3.5
NE	1.5	1.0	.1									2.6	3.5
ENE	.3	.2	.1									.6	3.7
E	1.6	2.2	1.4	.5								5.7	5.8
ESE	1.7	1.7	.4									3.9	4.1
SE	1.5	1.6	.4		.1							3.7	4.5
SSE	1.8	1.2	.5									3.5	3.7
S	2.5	2.2	1.3	.3								6.2	4.8
SSW	1.6	1.7	1.2	.3								4.8	5.2
SW	2.0	3.7	3.7	.3	.1							9.8	6.1
WSW	1.3	2.7	1.8	.4								6.2	5.9
W	.8	1.3	.3									2.4	4.6
WNW	2.4	.5	.1	.1								3.1	3.1
NW	1.8	.5	.4									2.8	3.7
NNW	3.3	1.0	.1									4.4	2.7
VARBL													
CALM												28.5	
	31.8	25.1	12.4	2.0	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 4-5  
 ALL WEATHER CLASS 2122-2320  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	1.4	.2									5.2	2.9
NNE	3.3	1.1										4.4	2.7
NE	1.3	.3										1.6	2.7
ENE	.3	.5	.1									1.0	3.9
E	1.6	1.4	1.2	.2								4.4	4.8
ESE	1.5	2.2	.8	.3								4.7	5.3
SE	1.7	1.3	.2									3.2	3.5
SSE	2.4	2.4	.1									4.8	3.5
S	2.0	2.4	.2	.1								4.7	3.7
SSW	1.8	1.4	.9	.4	.1							4.6	5.6
SW	1.4	3.0	1.6	.6								6.7	5.7
WSW	.8	2.6	1.5									4.8	5.5
W	1.9	.6	.1	.1								2.8	3.5
WNW	1.1		.3									1.4	3.6
NW	1.5	.3										1.8	2.4
NNW	1.7	.8										2.5	2.9
VARBL													
CALM												41.3	
	28.0	21.6	7.2	1.8	.1							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

10-220 STATION WALENA AFS AK STATION NAME 73-82 YEARS ALL  
 ALL WEATHER ALL HOURLY  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.0	.3									5.5	3.4
NNE	1.8	1.0	.2	.0								3.0	3.5
NE	.6	.5	.1									1.3	3.4
ENE	.5	.2	.1									.8	3.4
E	1.0	2.3	1.5	.5	.0							6.3	5.6
ESE	2.3	2.3	1.3	.2								6.7	4.9
SE	1.9	2.2	.8	.1	.0							5.0	4.4
SSE	1.7	1.9	.9	.1								4.5	4.6
S	2.0	2.0	1.4	.2								5.6	5.1
SSW	1.4	1.7	.7	.2	.0							4.0	5.0
SW	1.6	2.6	2.4	.6	.1							7.2	6.2
WSW	1.3	3.0	1.7	.4								6.5	5.6
W	1.9	2.0	.6	.0								4.5	4.3
WNW	1.6	1.0	.2	.0								2.8	3.6
NW	1.3	1.0	.3									2.6	3.9
NNW	1.7	1.0	.2									3.0	3.5
VARBL													
CALM												10.7	
	26.6	27.2	12.8	2.8	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-220 STATION GALENA AFS AK STATION NAME 73-82 YEARS SEP MONTH

ALL WEATHER CLASS 0000-0200 HOURS (L.P.T.)

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	7.0	1.0									11.8	4.2
NNE	2.7	2.9	1.1	.3								7.0	4.7
NE	.6	.1	.2									.2	3.6
ENE	.4	.6	.1									1.1	4.4
E	2.1	2.7	1.4	1.0								6.6	5.9
ESE	3.9	3.6	2.3	.6								10.3	5.0
SE	2.2	2.7	1.9									6.8	4.9
SSE	1.1	.9	.7	.1	.1							2.9	5.2
S	1.3	.9	1.2	.4								3.9	6.0
SSW	.7	.3	.7	.2								1.9	6.0
SW	1.2	.5	.2	.1								2.3	4.1
WSW	.7	1.7	.2									1.9	4.2
W	1.8	1.1	.8									3.7	4.1
WNW	1.4	1.1	.2									2.8	3.7
NW	.8	.3	.2									1.3	3.6
NNW	2.2	.7										2.9	2.8
VARBL													
CALM												32.3	
	26.9	25.9	12.3	2.8	.1							170.0	3.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-220 GALENA AFS AK STATION NAME 73-82 YEARS SEP  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	4.3	1.3									10.2	4.2
NNE	2.2	1.4	1.6	.1								5.7	5.0
NE	.6	.1										.7	2.5
ENE	.9	.3	.1									1.3	3.1
E	1.7	2.8	1.9	.9								7.2	6.1
ESE	2.7	3.9	2.3	.3								9.2	5.3
SE	1.1	2.6	1.0	.1								4.8	5.2
SSE	.4	1.2	.6	.1								2.9	5.7
S	1.4	1.3	1.3	.7								4.8	6.2
SSW	.2		.1	.2								.6	9.0
SW	1.1	.2		.2								1.6	4.3
WSW	.9	.8	1.1									2.8	5.2
W	2.4	1.4	1.0									4.9	4.0
WNW	.7	.4	.7									1.8	5.5
NW	.7	.6	.2									1.4	4.6
NNW	2.0	1.1	.1									3.2	3.2
VARBL													
CALM												37.3	
	23.6	23.4	13.3	2.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7-220 SALENA AFS AK STATION NAME 23-82 YEAR SEP MONTH

ALL WEATHER CLASS 0633-2200 HOURS (L.P.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	4.2	5.3	1.6	.4								12.1	4.4
NNE	1.1	2.1	1.6	.7								5.3	6.1
NE	.9	.7										1.6	2.8
ENE	.4	.2										.7	2.8
E	1.1	1.8	2.4	1.1								6.5	7.0
ESE	2.7	4.2	3.6	.2								10.7	5.5
SE	1.7	2.2	1.6	.3								5.8	5.5
SSE	.9	1.8	1.3	.1								4.1	5.5
S	.9	1.1	1.0	.8								3.8	6.6
SSW	.2	.4	.1	.3								1.1	7.6
SW	.7	.4										.8	4.0
WSW	.4	2.0	.7	.1								3.2	5.5
W	2.6	2.7	.6	.1								5.9	4.2
WNW	.2	.6	.6	.1	.1							2.2	5.7
NW	1.1	.6	.1									1.8	3.3
NNW	1.6	.9	.1									2.6	3.2
VARBL													
CALM												31.9	
	21.6	26.9	15.1	4.3	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

10-220 STATION GALENA AFS AK STATION NAME 73-62 YEARS SEP  
~~1933-1939~~  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	6.2	3.1	.6								14.7	5.1
NNE	1.4	2.4	1.8	.3								6.4	5.6
NE	.6	.3	.8	.1								1.3	6.5
ENE	.2		.1									.3	4.0
E	1.0	1.9	4.2	2.0								9.1	6.1
ESE	1.6	3.6	3.7	1.0								6.8	6.6
SE	1.4	1.6	2.4	.6								6.0	6.3
SSE	.4	1.9	.4	.4								3.2	6.5
S	1.1	1.1	1.9	.7								4.8	7.0
SSW	.7	.6	.2	.2	.2	.1						2.0	7.7
SW	.7	2.0	1.2	.4	.1							4.4	6.6
WSW	.2	1.4	1.4	.1								3.8	5.7
W	1.7	1.8	.7									4.1	4.2
WNW	1.1	1.1	.4	.1								2.8	5.1
NW	1.2	.9	.6									2.7	4.2
NNW	2.6	2.1	.2									4.9	3.6
VARBL													
CALM												19.2	
	21.7	28.9	23.2	6.6	.3	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

STATION 7-220 SALENA AFS AK STATION NAME 73-82 YEARS SEP  
1900-1900  
 ALL WEATHER CLASS 1200-1400  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	5.3	3.9	.3								12.0	5.7
NNE	1.4	2.3	3.2	1.3	.1							8.4	7.5
NE	.2	.7	.2	.7								1.8	6.3
ENE	.9	.6	.2									1.7	3.8
E	5.1	3.0	4.6	1.9								12.6	6.9
ESE	1.4	3.3	3.0	2.1	.1							10.3	7.7
SE	1.1	1.6	2.1	.2	.2							5.2	6.8
SSE		.9	2.0	.6	.2							3.7	6.8
S	.8	1.4	1.0	.9								4.1	7.3
SSW	1.1	.8	1.0	.6	.1	.1						3.7	7.3
SW	.7	.6	2.4	.7	.1	.1						4.6	8.4
WSW	.2	1.1	.7	.1	.1							2.8	5.9
W	1.0	3.3	1.3	.1								5.8	6.6
WNW	.9	1.9	1.0	.2								4.0	5.4
NW	1.7	1.6	.8									3.3	4.9
NNW	1.2	1.9	1.1	.1								4.3	5.2
VARBL													
CALM												12.1	
	18.1	30.2	28.6	9.8	1.0	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 225 GALENA AFS AK STATION NAME 73-62 YEAR SEP  
ALL WEATHER 1530-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	5.7	3.7	.6								13.0	5.5
NNE	1.8	2.6	3.9	1.0								9.2	6.8
NE	.6	.9	.9	.6								2.9	7.2
ENE	.9	1.4	.3	.1								2.7	4.6
E	1.8	4.0	4.8	1.3	.1							12.0	7.0
ESE	1.7	3.6	2.9	.9	.1							8.4	6.9
SE	1.7	1.6	1.2	.3								4.1	6.0
SSE	.7	1.6	1.3	.8	.1							4.4	7.4
S	.8	1.3	1.6	.7	.3							4.7	7.8
SSW	.3	1.7	.2	.7								2.9	7.1
SW	.3	1.4	1.2	.3		.1						3.9	6.9
WSW	.2	1.1	1.0	.3								2.7	6.9
W	1.1	1.3	.6	.2								3.2	5.1
WNW	1.1	1.2	.6	.2								3.1	5.2
NW	1.7	2.6	1.1									6.3	4.9
NNW	1.7	2.6	1.1	.1								5.4	4.9
VARBL													
CALM												12.0	
	18.3	34.4	26.3	8.1	.7	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 702220 GALENA AFS AK STATION NAME 73-80 YEARS SEP  
1955-1960 MONTHS (1-12)  
 CLASS ALL - FATHER  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	5.2	1.9									11.8	4.2
NNE	4.9	4.7	2.7	.2								11.8	4.6
NE	1.0	1.1	.3	.1								2.6	4.8
ENE	1.6	.4	.3									2.3	3.6
E	1.3	4.0	2.2	.6								8.1	5.9
ESE	1.1	2.4	2.7	.7								6.9	6.5
SE	1.2	1.4	1.4	.3								4.4	5.9
SSE	.8	1.6	.9	.1	.1							3.4	6.2
S	1.6	2.2	1.6	.6								5.9	6.0
SSW	.9	.7	.6	.3								2.4	5.6
SW	1.2	1.1	.2	.1								2.7	4.3
WSW	.7	.9	.6	.2								2.3	5.6
W	1.2	.4	.3									2.0	3.9
WNW	.7	.9	.4	.1								2.1	4.9
NW	1.3	1.7	.2	.1								2.7	4.1
NNW	1.3	1.3	.4									3.1	4.1
VARBL													
CALM												25.4	
	25.4	28.8	16.8	3.4	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

7-2220 STATION SALENA AFS AK STATION NAME 73-62 YEAR 56  
~~2133-2137~~  
~~1000 (25)~~  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.0	6.3	1.1									12.4	4.1
NNE	2.4	4.7	2.1									9.2	4.0
NE	.7	.9										1.6	3.8
ENE	1.2	.4	.4									2.1	4.0
E	2.3	2.6	1.1	.4								6.1	5.4
ESE	1.4	2.6	2.6	.4								7.0	6.0
SE	1.7	2.2	1.8	.3								5.7	5.6
SSE	1.3	2.1	1.1	.2								4.6	5.2
S	2.3	1.2	1.1	.1								4.6	4.7
SSW	.9	.2	.2									1.2	4.0
SW	.9	.6	.4	.2								2.1	5.4
WSW	.4	.6	.7	.1								1.8	6.2
W	.7	1.1	.3									2.1	4.4
WNW	1.9	.9	.7	.1								3.6	4.3
NW	1.4	1.2										2.7	3.4
NNW	1.8	.7	.1									2.6	3.1
VARBL													
CALM												10.3	
	26.0	28.2	13.4	2.0								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

75-222 STATION WALENA AFS AK STATION NAME 73-82 YEARS SEP  
MONTH  
ALL WEATHER ALL  
ELAS MOSES (C & T)  
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	5.7	2.2	.2								12.3	4.7
NNE	2.3	2.4	2.2	.5	.0							7.2	5.6
NE	.6	.6	.3	.2								1.7	5.6
ENE	.2	.5	.2	.0								1.5	3.9
E	1.8	2.8	2.8	1.2	.0							8.5	6.7
ESE	2.0	3.4	2.9	.8	.0							9.0	6.2
SE	1.4	2.0	1.6	.3	.0							5.3	5.7
SSE	.7	1.6	1.0	.3	.1							3.7	6.3
S	1.3	1.3	1.3	.6	.0							4.6	6.4
SSW	.6	.6	.4	.3	.0	.0						2.0	6.7
SW	.9	.9	.7	.3	.0	.0						2.8	6.1
WSW	.6	1.1	.8	.1	.0							2.7	6.7
W	1.6	1.7	.7	.1	.0							4.0	4.5
WNW	1.1	1.0	.6	.1	.0							2.8	5.0
NW	1.2	1.1	.4	.0								2.7	4.3
NNW	1.8	1.4	.8	.0								3.6	4.0
VARBL													
CALM												25.0	
	22.7	28.4	18.6	5.0	.3	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

700220 GALENA AFS AK STATION NAME 73-82 YEARS ACT  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.9	9.1	2.5									18.5	4.3
NNE	2.8	5.2	1.9	.2								13.1	4.9
NE	.3	.4										.8	3.6
ENE	.9	.4	.1	.2								1.6	4.5
E	1.5	2.4	3.4	1.7	.5							9.6	8.0
ESE	1.7	2.8	2.7	1.8	.5	.1						8.9	8.3
SE	1.0	1.5	.3	.5								3.3	6.0
SSE	.4	.3	.3									1.1	5.8
S	.1	.1	.8	.2								.9	7.8
SSW	.2											.2	2.0
SW	.4	.2		.1	.1							.9	6.1
WSW	.4	.9	.8	.1								1.8	5.8
W	2.2	1.2	.2									3.5	3.5
WNW	1.4	.6	.1									2.2	3.4
NW	1.9	.6	.2									2.9	3.8
NNW	2.7	1.6	.1									4.4	2.9
VARBL													
CALM												29.5	
	24.1	27.8	12.8	4.9	1.2	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 CALENA AFS AK STATION NAME 73-82 YEARS 067  
 MONTH OCT  
 CLASS ALL WEATHER NUMBER OF YEARS 333-3633  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.1	8.5	3.3	.2								19.1	4.4
NNE	2.5	2.2	2.3									7.2	4.9
NE	.6	.3										1.0	3.0
ENE	.3	.3	.3									1.0	5.0
E	.9	2.2	2.8	1.7	.8							8.3	4.9
ESE	2.2	2.3	2.6	1.6	.2							9.4	5.5
SE	1.0	1.2	1.1	.4								3.7	3.9
SSE	.5	.4	.2									1.2	4.1
S	.3	.2	.6	.1								1.3	6.8
SSW	.3											.3	2.3
SW	.3	.2		.3								.3	6.5
WSW	.4	.8	.1	.2								1.5	5.5
W	2.4	1.9	.3									4.6	3.4
WNW	.8	.2	.1									1.1	3.0
NW	1.5	1.0	.5									3.3	3.8
NNW	4.0	.9										4.8	2.7
VARBL													
CALM												31.7	
	25.4	23.0	14.3	4.6	1.0							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 830

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10-220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 361  
 ALL WEATHER CLIM MONTH 0600-2400  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.2	2.2	.1								19.2	4.0
NNE	1.6	2.2	2.0	.3								6.1	5.7
NE	.5	.3	.1									1.0	3.9
ENE	.4	.1	.1									.6	3.5
E	.6	1.2	2.6	2.0	.6							8.0	10.2
ESE	.9	2.6	3.8	2.3	.2							9.4	8.1
SE	1.4	1.2	.5									2.9	4.5
SSE	.5	.5	.3									1.4	4.0
S	.2	.3	.3	.2								1.1	7.1
SSW	.2	.1	.1	.1								.4	5.5
SW	.3		.3		.2							.9	8.9
WSW	1.1	.6	.5	.2								2.5	5.1
W	1.4	2.3	.4									4.1	4.1
WNW	1.8	.4	.2									2.5	2.8
NW	1.5	.5	.3									2.4	3.4
NNW	3.9	1.5	.3									5.7	3.1
VARBL													
CALM												31.9	
	25.3	21.8	13.8	6.1	1.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-2220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 361 MONTH

ALL WEATHER CLASS

0923-1130 HOURS (L.P.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.4	7.6	3.4	.4								18.9	4.6
NNE	2.5	2.6	3.7	.9								9.2	6.2
NE	.1	.9	.1									.1	4.6
ENE	.2	.3										.5	4.2
E	1.1	1.5	3.3	3.7	.5							10.1	9.7
ESE	1.1	2.4	3.7	1.7	.4							8.6	8.3
SE	.8	1.4	.9	.2								1.2	5.6
SSE	.4	.5	.4									1.4	5.4
S		.5	.2	.2								1.3	7.4
SSW		.1	.4									.5	7.4
SW	.2	.1	.2	.1	.2	.1						1.3	11.4
WSW	.9	.6	.5	.2								1.8	6.4
W	1.3	2.0	.8									4.6	4.4
WNW	.9	.3	.2									1.3	4.0
NW	1.6	1.8	.2	.3								4.0	4.6
NNW	4.5	2.8	.1									7.8	3.3
VARBL													
CALM												75.3	
	23.0	25.8	16.9	7.7	1.2	.1						130.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY RANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

~~1-220~~ STATION SALENA AFS AM STATION NAME 73-82 YEARS 961  
~~1200-1430~~ ALL WEATHER PERIOD 1200-1430  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	6.1	10.8	5.8	1.0								23.7	5.4
NNE	1.9	5.2	4.0	1.2								12.3	6.3
NE	.5	.4	.5									1.5	5.0
ENE		.1	.3	.1	.1							.6	9.3
E	.9	2.6	2.4	4.1	.4	.1						10.4	9.5
ESE	1.1	2.9	3.2	1.6	.2	.1						9.1	7.8
SE	.7	.6	.9	.2								2.9	6.8
SSE	.1	.5	.3									1.0	6.2
S	.7	.2	.6	.2								1.4	7.5
SSW	.1	.5	.2	.2								1.1	7.0
SW	.3	.4	.3	.2	.2							1.5	5.3
WSW	1.2	1.5	.3	.1	.1							3.2	4.8
W	1.5	.9	1.1									3.4	4.7
WNW	.6	.4	1.0									2.0	5.7
NW	1.9	2.3	.9	.1								5.2	4.4
NNW	.3	2.7	1.8									6.8	4.7
VARBL													
CALM												14.7	
	19.2	32.0	23.7	9.0	1.1	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

7-222 STATION SALENA AFS AK STATION NAME 73-52 YEARS OCT  
ALL WEATHER 1500-1700  
 CLASS ROFS (T.F.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.1	10.6	4.6	.4								27.4	4.9
NNE	3.1	4.9	4.4	1.1								17.5	6.0
NE	1.0	.6	.5	.2								2.4	5.2
ENE	.2	.4	.4	.1								1.7	6.3
E	1.2	3.0	4.1	2.9	.2							11.4	8.4
ESE	.3	2.6	1.9	1.5	.1	.2						7.1	8.2
SE	.6	.6	.2	.5								2.0	6.7
SSE	.1	.1	.4	.1								.8	7.7
S	.2	.2	.4	.1	.1							1.1	8.1
SSW	.2	.4	.2	.3	.1							1.3	8.1
SW	.1	.2	.1									1.1	4.7
WSW	.2	1.3	.4	.2	.1							2.3	6.6
W	.8	1.2	.2	.1								2.3	5.0
WNW	1.2	1.4	.1									2.7	3.7
NW	2.2	1.4	.3									3.9	3.8
NNW	3.9	2.6	.9									7.3	3.7
VARBL													
CALM												17.2	
	22.7	32.3	19.4	7.6	.6	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 910

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7220 GALENA AFS AK STATION NAME 73-92 YEARS 367  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	7.6	2.5	.3								19.5	4.1
NNE	2.2	4.4	1.9	.6								9.9	5.3
NE	.3	1.1	.4									2.3	4.7
ENE	1.0	.3	.6									2.4	4.7
E	.6	4.2	3.5	2.9	.3							11.6	8.2
ESE	.9	2.3	2.3	2.0	.1							7.5	8.2
SE	.7	.6		.3								1.3	6.5
SSE		.3										.3	4.7
S	.9	.5	.3	.1								1.8	4.8
SSW		.1		.2								.3	11.3
SW	.6	.3	.4	.1								1.5	5.5
WSW	.2	.2	.5	.2								1.7	6.8
W	1.3	.4	.5									2.3	3.7
WNW	1.4	.6	.4									2.5	4.0
NW	1.9	1.0	.1									3.0	3.0
NNW	3.0	2.5	.4									5.9	3.6
VARBL													
CALM												76.2	
	25.4	27.0	14.1	6.8	.4							120.0	4.0

TOTAL NUMBER OF OBSERVATIONS 933

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702220 STATION GALENA AFS AK STATION NAME 73-82 YEARS 063 MONTHS  
 ALL WEATHER CLASS 2100-2100 HOURS (L.P.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.8	9.5	2.4	.1								19.8	4.2
NNE	3.5	5.2	1.8	.2								10.8	4.7
NE	.7	.4										.8	3.0
ENE	.5	.5	.3	.1								1.5	5.3
E	1.7	2.2	3.0	3.2								9.4	8.7
ESE	1.1	3.4	1.9	2.2	.3	.1						9.4	8.0
SE	.5	.6	.3	.1								1.8	5.1
SSE	.1	.4										.5	4.0
S	.5	.2	.4	.1								1.3	5.5
SSW	.1											.1	2.0
SW	.3	.4	.2	.1	.2							1.4	7.2
WSW	.4	.6	.3									1.4	4.8
W	1.2	1.4	.1									2.7	3.4
WNW	.6	1.1	.1									1.8	4.3
NW	1.4	.6	.1									2.6	3.0
NNW	2.6	1.6	.1									4.3	3.1
VARBL													
CALM												30.5	
	22.9	28.6	11.2	6.1	.5	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-226 197800 GALENA AFS AK STATION NAME 73-82 YEARS 061  
 ALL WEATHER CLIM MONTH (E, S, T)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.5	0.0	3.3	.3								20.2	4.5
NNE	2.6	4.0	2.7	.6								9.9	5.6
NE	.5	.6	.2	.0								1.3	4.4
ENE	.4	.4	.3	.1	.0							1.2	5.2
E	1.0	2.4	3.1	2.9	.4	.0						9.8	8.9
ESE	1.1	2.3	2.6	1.8	.3	.1						8.7	8.0
SE	.3	1.0	.5	.3								2.5	5.8
SSE	.1	.4	.3	.0								1.0	5.2
S	.2	.3	.4	.2	.0							1.2	6.7
SSW	.1	.2	.1	.1	.0							.5	6.8
SW	.3	.3	.2	.1	.1	.0						1.1	7.3
WSW	.6	.8	.4	.2	.0							2.0	5.6
W	1.6	1.4	.5	.0								3.4	4.0
WNW	1.1	.6	.3									2.0	3.9
NW	1.8	1.2	.3	.1								3.3	3.8
NNW	3.3	2.0	.5									5.8	3.5
VARBL													
CALM												25.9	
	23.5	27.2	15.8	6.6	.9	.1						100.8	4.2

TOTAL NUMBER OF OBSERVATIONS 7440

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

73-220 STATION SALENA AFS AK STATION NAME 73-62 YEARS NEW 2033-2030  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.8	5.8	3.2	.4								14.2	4.9
NNE	1.4	1.9	.3	.1								3.6	4.4
NE	.1	.1	.1									.3	4.3
ENE	.1	.1										.2	3.5
E	1.3	1.8	1.4	1.4	.6							6.6	8.2
ESE	1.2	3.4	2.6	4.3	.4							12.3	6.7
SE	.3	1.2	.6	.9								3.0	7.7
SSE	.2	.3	1.0	.4	.1							2.1	8.1
S	.1	.7	.2	.3	.1							1.4	6.4
SSW	.6			.1	.1							.8	6.6
SW	.2		.6		.2	.1						1.1	10.8
WSW	.4	.2										.7	3.0
W	1.8	1.0		.2								3.0	3.7
WNW	1.7	.2										1.9	2.4
NW	.9	.2										1.1	2.5
NNW	2.2	.9	.1									3.2	3.1
VARBL													
CALM												44.6	
	17.4	17.9	1.1	8.3	1.6	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-220 SYSTEM SALENA AFS AK STATION NAME 73-82 YEARS 63-82 NAVY  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.2	5.0	3.0	.6								12.8	5.0
NNE	1.7	2.3	.9									4.9	4.6
NE	.1	.3	.1									.6	4.6
ENE	.1	.1										.2	4.0
E	1.8	1.1	2.4	2.9	.8							9.9	9.1
ESE	1.1	2.8	3.8	2.2	.8							10.7	8.6
SE	.7	1.0	1.3	.6								3.6	7.1
SSE	.4	.8	.3	.4								2.0	6.4
S	.2	.2	.7	.2								1.3	7.4
SSW		.1	.2	.2	.1	.1						.8	12.7
SW		.6	.2	.1	.3							1.2	10.1
WSW	.6	.4	.2									1.2	5.7
W	2.1	1.0										3.1	2.6
WNW	.8	.3										1.1	2.8
NW	.9	.6	.1									1.6	5.2
NNW	1.3	.6	.1									2.0	2.8
VARBL													
CALM												44.0	
	16.7	17.2	13.8	7.2	2.0	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

20-223 STATION SALENA AFS AK STATION NAME 73-82 YEARS 1971-1973  
 ALL WEATHER CLASS 6633-0430 HOURS (L.P.P.)  
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	4.6	2.1	.6								9.8	5.5
NNE	1.7	2.1	1.0									4.8	4.8
NE	.2	.2										.4	4.3
ENE	.6	.7	.1									1.3	4.1
E	1.6	1.4	2.2	2.4	.9							8.6	5.1
ESE	.7	1.7	4.0	2.3	.7							9.3	9.3
SE	.8	1.7	1.0	.7								4.1	7.0
SSE	.4	.2	.9	.1								1.7	6.1
S	.1	.3	.7	.6	.2							1.9	10.0
SSW	.1	.2	.2	.2	.2							1.0	10.7
SW	.4	.1	.4	.4								1.4	7.5
WSW	.3	.3	.4	.2								1.3	6.5
W	1.3	1.7										2.3	2.9
WNW	1.2	.4	.1									1.8	2.9
NW	1.3	.2										1.6	2.4
NNW	1.6	.8	.2									2.8	3.3
VARBL													
CALM												46.1	
	18.7	16.0	13.8	7.8	2.0							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 200

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

225 STATION WALENA AFS AK STATION NAME 71-82 YEARS 60

ALL WEATHER CLASS

0933-1130 PERIOD

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.1	5.0	2.1	.1								12.3	4.4
NNE	2.6	1.8	.9	.3								5.6	4.8
NE	.3	.1	.1	.2								.8	3.4
ENE	.2	.4			.1							.8	6.0
E	1.6	1.2	1.3	1.3	.6							6.3	7.8
ESE	.9	1.7	4.8	4.4	.7							12.5	9.8
SE	.2	1.4	.8	.6								3.6	6.2
SSE	.6	.3	.4	.1								1.4	5.2
S	.6	.2	.6	.2	.3							1.9	6.6
SSW	.3	.4		.2	.3	.1						1.4	16.0
SW	.4	.3	.1	.2	.1							1.3	6.7
WSW	.1	.6	.1	.2	.1		.1					.8	4.6
W	1.7	.9	.1									2.7	3.2
WNW	1.4	.4										1.9	2.5
NW	1.9	.1										2.0	2.0
NNW	1.5	1.2	.1									3.1	3.4
VARBL													
CALM												41.9	
	20.2	16.2	11.5	7.8	2.1	.1	.1					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7-200 SALENA AFS AK STATION NAME 73-82 YEARS NSA  
ALL WEATHER 12-0-1400  
 CLASS NOV 65 (1-17)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	7.3	6.3	2.6	.1								16.3	4.2
NNE	3.3	3.7	.8	.2								7.0	4.6
NE	.3	.4		.1								.9	4.0
ENE	.1		.1									.2	5.5
E	1.3	1.2	2.2	1.7	.4							6.8	7.8
ESE	.4	1.5	3.7	4.4	.8	.1						11.2	13.5
SE	.4	1.3	.8	.8								3.3	7.3
SSE		.7	.3	.3								1.3	6.0
S	.4	.7	.7	.2								2.0	6.1
SSW	.3	.4		.3	.3							1.4	10.1
SW	.7	.1	.1	.1	.2	.2						1.4	10.0
WSW	1.2	.7	.1									2.0	3.4
W	2.7	1.0										3.0	2.7
WNW	.8	.2		.1								1.1	3.7
NW	.7	.1	.1									.9	2.8
NNW	2.2	1.6	.4									4.2	3.6
VARBL													
CALM												76.8	
	20.7	20.8	11.9	7.8	1.8	.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATE BUREAU  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

16-220 STATION NO. GALENA AFS AK STATION NAME 73-82 YEARS 1957  
 ALL WEATHER CLASS 1530-1730  
 HOURS (LST) 1530-1730  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	5.0	7.2	2.6	.6								15.3	4.9
NNE	1.4	2.6	.4	.2								4.7	4.6
NE	.4	.2	.1									.8	4.0
ENE	.2		.2									.4	4.3
E	1.1	1.6	2.1	1.8	.3							6.9	6.5
ESE	.8	2.1	4.0	2.6	.9	.2						10.6	9.9
SE	.7	1.3	1.4	.7								3.7	7.6
SSE	.2	.3	.2	.4	.1							1.8	7.9
S	.2	.7	.8	.2								1.9	7.1
SSW		.3	.1	.3								.8	10.0
SW	.6	.1	.2	.3								1.2	6.9
WSW	.8	.3		.1	.1							1.3	4.8
W	2.0	.2	.1									2.3	2.8
WNW	.8	.1	.1	.1								1.1	4.2
NW	1.0	.3										1.3	2.3
NNW	2.2	.8	.1	.1								3.2	3.1
VARBL													
CALM												42.7	
	17.0	18.7	12.6	7.4	1.4	.2						130.0	3.7

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

**PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)**

STATION 220 ALENA AFS AK STATION NAME 73-82 YEARS NSM  
 CLASS ALL WEATHER 1800-2300  
 MOON (L.P.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.7	7.2	2.8	.4								15.1	4.9
NNE	.2	2.4	.3									3.7	4.5
NE	.3											.3	3.0
ENE	.3	.2		.2								.8	6.3
E	.2	2.4	1.7	2.0	.6							7.6	6.8
ESE	.7	2.4	3.2	2.4	.9	.2						9.9	9.7
SE	.5	.9	1.2	.7								3.6	7.0
SSE		.4	.2	.6								1.2	10.2
S	.3	1.4	.9	.2								2.9	6.0
SSW	.1	.1	.1									.3	5.7
SW	.2	.2		.1								.7	4.8
WSW	.5	.2	.1									1.1	3.6
W	1.7	.2	.2	.1								2.2	3.2
WNW	1.1	.4										1.6	3.1
NW	.4	.2	.1									.8	3.8
NNW	1.1	.9	.1									2.1	3.6
VARBL													
CALM												46.2	
	14.5	19.9	11.0	6.8	1.4	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-220 SYSTEM WALENA AFS AK STATION NAME 73-82 YEARS NOV  
ALL WEATHER CLASS 2100-2100 HOURS (GMT)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	6.7	3.0	.1								14.3	4.8
NNE	1.2	2.0	.6	.1								3.9	4.5
NE	.3											.3	2.0
ENE	.7		.1									.8	2.9
E	.8	2.2	1.6	1.4	.7	.1						6.8	9.0
ESE	.7	2.8	2.9	3.4	.7	.1						10.6	9.5
SE	.6	1.9	.6	.2								3.2	5.0
SSE	.2	.3	.2	.3								1.1	7.6
S	.3	.3	.7	.7	.1							2.1	9.0
SSW	.4	.7	.1									1.2	4.2
SW	.6		.1		.2							.9	6.6
WSW	.6	.8	.3	.2								1.9	8.4
W	1.1	.6		.1								1.8	3.7
WNW	.7											.7	1.8
NW	.9	.1										1.0	2.2
NNW	1.8	1.1	.6									3.4	3.6
VARBL													
CALM												46.0	
	15.3	19.4	10.7	6.7	1.7	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7-220 WALENA SES AK STATION NAME 73-82 YEARS 1973-1982 MONTH ALL  
 CLASS ALL HOUR(S) (E.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.4	6.0	2.7	.4								13.8	4.0
NNE	1.7	2.3	.7	.1								4.8	4.6
NE	.3	.2	.1	.0								.5	4.5
ENE	.3	.2	.1	.0	.0							.6	4.6
E	1.3	1.7	1.9	1.8	.6	.7						7.3	8.6
ESE	.2	2.3	3.6	3.3	.7	.1						10.8	9.3
SE	.6	1.3	1.0	.6								3.5	7.0
SSE	.3	.5	.5	.3	.0							1.6	7.5
S	.3	.6	.6	.3	.1							1.7	7.7
SSW	.2	.3	.1	.2	.1	.0						1.0	8.9
SW	.4	.2	.2	.2	.1	.0	.0					1.2	8.4
WSW	.6	.4	.2	.1	.0							1.3	4.8
W	1.7	.7	.1	.1								2.6	3.1
WNW	1.1	.3	.0	.0								1.4	2.9
NW	1.0	.2	.0									1.3	2.5
NNW	1.5	1.0	.2	.0								3.0	3.4
VARBL													
CALM												43.5	
	17.0	18.3	11.8	7.5	1.8	.2	.0					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

70-220 STATION SALENA AFS AK STATION NAME 73-82 YEAR 356 MONTH  
 ALL WEATHER CLIM 0000-2359 HOURS (24)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	5.9	1.3	.2	.1							12.7	4.4
NNE	1.5	3.0	.5	.4	.2							5.7	5.7
NE	.2	.1	.2	.1								.6	7.0
ENE	.3	.1	.1									.5	4.0
E	1.2	.5	1.2	1.6	.4							4.9	9.1
ESE	.8	1.5	2.7	2.8	.2	.1						6.1	9.5
SE	.3	.4	.9	1.2	.1							2.9	9.3
SSE	.4	.7	.1	.2								1.0	5.6
S	.4	.2	.2		.1	.2						1.2	4.2
SSW	.4			.1								.5	4.0
SW	.4	.3	.1		.2							1.1	6.7
WSW	.6	.3	.1									1.1	4.9
W	2.0	.6	.1									2.9	3.9
WNW	1.7	.5										1.5	3.1
NW	1.5	.4										1.9	2.6
NNW	1.1	.8	.1	.1								2.9	3.9
VARBL													
CALM												51.4	
	17.7	15.1	7.3	6.8	1.4	.3						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 73-82 SALENA AFS AK STATION NAME 73-82 YEARS DEC  
 MONTH DEC  
 CLASS ALL WEATHER 0300-0600  
 NOTES (PT)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.7	4.5	2.5	.3	.1							13.1	4.6
NNE	1.4	2.3	1.2	.5								5.4	5.7
NE	.1	.1	.3									.5	6.8
ENE		.2										.2	4.5
E	1.3	.4	1.5	1.8	.6	.1						5.8	9.7
ESE	.2	.2	1.1	2.3								6.3	9.6
SE	.5	.9	1.1	.8								3.2	7.3
SSE	.2	.2	.1	.2								.9	8.1
S	.4	.2	.2	.1								1.0	5.3
SSW	.1	.1		.2	.2	.1						.3	14.4
SW	.1	.2	.3	.2								1.0	8.6
WSW	.2	.1	.2									.5	5.4
W	1.4	.5	.2									2.2	3.3
WNW	1.4	.5	.2									2.2	3.1
NW	.6	1.2										1.6	3.5
NNW	1.4	.2										1.6	2.7
VARBL													
CALM												53.8	
	15.2	12.3	11.0	6.7	1.0	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

SEPTAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NO. 73-220 STATION NAME SALENA AFS AK YEARS 73-82 MONTH DEC  
 CLASS ALL - FAIR MONTH (CY) 633-2830  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	4.0	1.5	.6	.2							11.7	5.0
NNE	1.0	1.7	1.6	.2								4.5	5.0
NE		.4	.4									.9	7.1
ENE	.1	.1	.3									.8	5.3
E	1.3	.8	1.7	1.1	.3	.1						5.3	8.5
ESE	.5	2.4	3.1	2.8	.3							9.1	9.2
SE	.8	.2	1.2	.3								2.5	6.9
SSE	.1	.8	.4									1.3	6.3
S	.3	.2	.1									.6	3.8
SSW	.1	.1	.6	.1								1.0	8.0
SW	.1		.2	.2		.1						.6	15.2
WSW	.2	.4	.2									.9	4.9
W	2.4	1.0										3.3	2.6
WNW	.5	.4										1.0	3.0
NW	1.3	.1										1.1	2.2
NNW	.9	.4	.1									1.4	3.0
VARBL													
CALM												54.1	
	13.9	13.9	11.7	5.4	.9	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 2220 STATION SALENA AFS AK STATION NAME 73-82 YEARS DEC  
ALL WEATHER CLASS 3033-1126 MONTH (E.P.P.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	5.2	1.6	.6								11.3	5.0
NNE	1.4	2.2	1.4	.5		.1						5.6	6.1
NE	.5	.2	.4									1.2	6.1
ENE	.1		.3									.4	6.5
E	.8	.2	1.4	1.8	.2	.1						4.5	9.9
ESE	.8	2.5	2.8	4.2	.2	.1						10.1	9.6
SE	.6	.8	.8	.7	.1							2.6	7.2
SSE	1.0			.1	.1							1.2	4.6
S	.4	.2	.4									1.1	5.1
SSW	.2	.2		.1								.5	5.8
SW	.1	.3	.3	.1								.9	7.1
WSW	.3	.3										.5	3.7
W	2.2	1.2	.1									3.4	3.0
WNW	.8											.8	2.0
NW	.2	.4										.5	4.0
NNW	1.4	.4	.1									1.9	3.0
VARBL													
CALM												53.2	
	14.4	13.7	9.9	7.8	.6	.3						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 936

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 7-22: SALENA AFS AK STATION NAME 73-52 YEAR 86  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.4	4.2	2.2	1.0								12.6	5.1
NNE	2.0	2.2	2.3	.4								6.9	5.8
NE	.2	.4	.2	.1								1.3	6.0
ENE	.2	.2										.4	5.0
E	.9	.6	1.8	1.7	.4							5.5	5.4
ESE	.5	1.3	2.4	2.9	.5							7.8	5.6
SE	.5	.4	.9	.9								2.7	8.3
SSE	.3			.1	.1							.5	6.2
S	.4	.3	.2	.1								1.1	5.5
SSW	.2	.2										.4	4.0
SW	.3	.5	.1	.1								1.1	4.5
WSW	.1	.1										.2	3.0
W	2.6	1.2										3.8	2.8
WNW	.2	.2										1.1	2.6
NW	1.0	.2										1.2	2.6
NNW	1.4	.6										2.0	2.7
VARBL													
CALM												51.8	
	17.1	12.6	10.1	7.3	1.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 929

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 366  
 ALL WEATHER CLASS 1533-1730 HOURS (LTT)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.9	2.4	.5								11.3	5.0
NNE	2.7	1.8	2.3	.4								7.2	3.6
NE	.3	.1	.1									.5	3.8
ENE	.1	.2										.3	4.0
E	.9	.8	1.5	2.3	.3							5.7	9.5
ESE	.2	1.4	4.1	2.2	.3							6.2	9.5
SE	.4	1.0	.8	.5	.1							2.8	7.6
SSE	.2	.2	.1	.1	.1							.8	7.6
S	.5	.1		.3								1.2	6.1
SSW	.5	.2		.1								.9	4.3
SW	.5	.1	.2		.1							1.2	5.7
WSW	.6	.3										1.1	2.9
W	2.2	1.4										3.6	3.3
WNW	1.2	.2										1.2	2.5
NW	1.5	.3										1.8	2.8
NNW	1.9	.5	.1									2.6	2.8
VARBL													
CALM												50.1	
	17.4	13.6	11.5	6.5	1.0							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 220 GALENA AFS AK STATION NAME 73 62 YEARS 366  
~~ALL WEATHER~~ ALL WEATHER 1533 2330  
 MONTHS (F.P.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	5.2	1.7	.2								11.3	4.7
NNE	1.3	2.7	1.9	.9								6.8	6.4
NE	.7	.2	.1									.6	4.0
ENE	.6	.3	.5									1.5	4.8
E	1.7	.3	1.5	1.5	.6							5.7	9.1
ESE	.4	1.3	2.8	3.5	.4							8.4	10.2
SE	.4	.2	.5	.3								2.2	6.4
SSE	.2	.2	.2									.6	5.2
S		.2	.4	.1	.3							1.1	11.6
SSW	.2		.2	.1								.5	7.4
SW	.4	.4	.1		.1							1.1	5.4
WSW	.2	.2	.1	.2								.8	6.9
W	1.6	1.3	.1									2.7	3.4
WNW	1.7	.3										1.6	2.5
NW	.6	.1										.3	2.8
NNW	1.8	.8	.1									2.7	2.8
VARBL		.1											
CALM												51.6	
	15.1	14.6	10.5	6.8	1.5							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

7-222 STATION ALENA AFB AK STATION NAME 73-82 YEARS 366 MONTH  
 ALL WEATHER CLASS 2103-2300 HOURS (L.P.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	5.0	2.8	.1								11.9	4.6
NNE	.9	3.5	1.0	.6	.1							6.1	6.3
NE	.7	.4		.3								1.1	7.1
ENE	.7											.3	2.0
E	.7	.6	.9	1.6	.8							4.2	11.0
ESE	.7	1.3	3.7	2.8	.5	.1						6.7	10.3
SE	.3	.5	.9	.7	.5							2.7	7.5
SSE	.1	.1	.1	.5								.9	10.1
S	.1	.3	.3	.1	.1	.1						1.1	10.0
SSW	.7			.3								.6	7.0
SW	.7	.1	.1									.4	4.0
WSW	.7	.5										.9	4.1
W	2.3	.6										3.0	2.9
WNW	.8	.2										1.0	3.1
NW	.5	.6										1.2	3.5
NNW	1.3	.5										1.8	2.5
VARBL													
CALM												54.0	
	12.8	18.6	9.7	7.1	1.5	.2						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-222-74704 GALENA AFS AK STATION NAME 73-82 YEARS DEC  
ALL WEATHER 11  
 CONDIION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.5	5.0	2.0	.5	.1							12.0	4.8
NNE	1.5	2.4	1.5	.5	.0	.0						6.0	6.6
NE	.3	.3	.2	.1								.8	6.0
ENE	.2	.1	.2									.6	4.7
E	1.0	.6	1.4	1.7	.5	.0						5.2	9.5
ESE	.5	1.5	3.1	2.9	.3	.0						8.3	6.7
SE	.6	.6	.9	.6	.0							2.7	7.6
SSE	.3	.2	.1	.2	.0							.7	6.8
S	.3	.2	.2	.1	.1	.0						1.0	7.3
SSW	.3	.1	.1	.1	.0	.0						.7	7.2
SW	.3	.3	.2	.1	.1	.0						.9	6.8
WSW	.3	.3	.1	.0								.6	4.4
W	2.1	1.0	.1									3.1	3.8
WNW	.9	.3	.0									1.3	2.8
NW	.9	.4										1.3	2.8
NNW	1.4	.5	.1	.0								2.0	2.9
VARBL													
CALM												52.5	
	15.5	13.8	10.2	6.8	1.1	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 7430

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

700220 STATION WALENA AFS AK STATION NAME 73-82 YEARS 4 MONTH ALL

ALL WEATHER ALL  
CLAS HOURLY (C Y)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	6.2	2.3	.3	.0	.0	.0	.0	.0	.0	.0	13.7	4.6
NNE	2.0	2.9	1.6	.4	.0	.0	.0	.0	.0	.0	.0	6.9	5.3
NE	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.4	5.1
ENE	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	1.1	5.1
E	1.3	1.9	2.0	1.4	.2	.0	.0	.0	.0	.0	.0	6.8	7.6
ESE	1.1	2.0	2.1	1.3	.2	.0	.0	.0	.0	.0	.0	6.8	7.7
SE	1.0	1.3	.8	.3	.0	.0	.0	.0	.0	.0	.0	3.3	5.7
SSE	.7	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	2.3	5.8
S	.9	1.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	3.2	6.2
SSW	.6	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	2.0	6.0
SW	.9	1.1	1.0	.3	.0	.0	.0	.0	.0	.0	.0	3.4	6.3
WSW	.9	1.3	.9	.2	.0	.0	.0	.0	.0	.0	.0	3.3	5.7
W	1.8	1.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.1
WNW	1.0	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.9
NW	1.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.9
NNW	1.8	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.8
VARBL													
CALM												34.2	
	1.0	24.5	14.4	5.2	.6	.1	.0	.0	.0	.0	.0	100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 87626

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFM WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7-222 STATION GALENA AFS AK STATION NAME 71-82 YEARS  
 INSTRUMENT CLASS  
 CIG 400 TO 1400 FT W/ VSBY 1/2 MI OR MORE, CONDITION  
 AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.4	7.1	2.2	.2								15.9	4.3
NNE	1.9	2.9	.9	.2								5.9	4.8
NE	.3	.3	.1	.1	.0							.9	5.1
ENE	.5	.5	.3	.2	.0							1.4	5.9
E	1.0	1.2	2.9	3.7	1.2	.1						10.3	10.6
ESE	.9	2.0	2.4	2.9	1.2	.1						9.5	10.2
SE	.7	1.0	.7	.4	.0							3.3	6.5
SSE	.5	.3	.3	.1	.0							1.1	5.7
S	.6	.4	.3	.1	.0	.0						1.3	5.3
SSW	.4	.2	.1	.1	.0	.0						.9	5.1
SW	.4	.6	.6	.3	.1							1.9	7.0
WSW	.5	.7	.6	.2	.1							2.0	6.5
W	1.1	1.0	.3	.0	.0							2.4	4.2
WNW	.0	.6	.1									1.6	3.6
NW	1.1	.8	.2									2.2	3.7
NNW	2.1	1.8	.3	.0								4.2	3.6
VARBI													
CALM												35.9	
	19.1	21.5	12.3	6.3	2.7	.3						106.9	4.2

TOTAL NUMBER OF OBSERVATIONS 6315

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 5/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
1800														
1500					91.0									92.6
1200														
1000														
900														
800														
700														
600														
500									97.4					98.1
400														
300														
200														
100														
0					95.4		96.9			98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
 For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
 Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
 Visibility  $\geq 3$  miles = 95.4%.  
 Visibility  $\geq 2$  miles = 96.9%.  
 Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. AFETAC  
 AIR WEATHER SERVICE/44C

# CEILING VERSUS VISIBILITY

STATION NO. 70-220 STATION NAME GALENA AFS AK

YEAR 73-87

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM 0-220

CEILING FEET	VISIBILITY - STATUTE MILES																		
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1				
NO. REPORTS	26	45	46	47	49	49	50	50	50	51	52	53	54	55	56	57	58	59	60
≥20000	26.1	45.4	46.5	47.5	49.7	49.7	50.4	50.8	50.9	51.9	52.9	53.0	54.7	54.7	54.9	54.9	54.9	54.9	54.9
≥18000	27.7	47.3	48.3	49.4	51.5	51.5	52.3	52.6	52.7	53.7	54.8	55.1	56.0	56.0	57.0	57.0	57.0	57.0	57.0
≥16000	29.6	48.2	49.2	50.3	52.5	52.5	53.2	53.5	53.7	54.8	55.8	56.0	57.0	57.7	58.0	58.0	58.0	58.0	58.0
≥14000	28.8	48.5	49.6	50.8	53.1	53.1	53.9	54.2	54.3	55.5	56.5	56.7	57.6	58.4	58.6	58.6	58.6	58.6	58.6
≥12000	28.9	48.8	49.9	51.1	53.4	53.4	54.2	54.5	54.6	55.8	56.8	57.0	58.0	58.7	58.9	58.9	58.9	58.9	58.9
≥10000	30.3	52.0	53.1	54.4	56.8	56.8	57.5	57.8	58.0	59.1	60.1	60.3	61.3	62.0	62.3	62.3	62.3	62.3	62.3
≥9000	31.2	53.1	54.2	55.5	57.8	57.8	58.6	58.9	59.0	60.2	61.2	61.4	62.4	63.1	63.3	63.3	63.3	63.3	63.3
≥8000	33.4	56.7	57.7	59.0	61.4	61.4	62.2	62.5	62.6	63.8	64.7	64.9	65.9	66.7	66.9	66.9	66.9	66.9	66.9
≥7000	34.3	60.0	61.1	62.4	64.7	64.7	65.5	65.8	65.9	67.1	68.1	68.3	69.2	70.0	70.2	70.2	70.2	70.2	70.2
≥6000	36.3	63.4	64.5	65.8	68.2	68.2	68.9	69.2	69.4	70.5	71.5	71.7	72.7	73.4	73.7	73.7	73.7	73.7	73.7
≥5000	37.6	65.8	67.1	68.5	70.9	70.9	71.6	71.9	72.1	73.2	74.2	74.4	75.4	76.1	76.3	76.3	76.3	76.3	76.3
≥4500	38.2	66.8	68.1	69.5	71.8	71.8	72.6	72.9	73.1	74.2	75.2	75.4	76.3	77.1	77.3	77.3	77.3	77.3	77.3
≥4000	39.9	70.8	72.2	74.0	76.5	76.5	77.2	77.5	77.6	78.8	79.8	80.0	81.0	82.0	82.3	82.3	82.3	82.3	82.3
≥3500	40.9	72.3	73.7	75.6	78.1	78.1	78.8	79.5	79.6	80.8	81.7	81.9	82.9	84.0	84.2	84.2	84.2	84.2	84.2
≥3000	41.3	74.5	75.3	76.8	81.1	81.1	81.2	81.9	82.6	82.7	83.9	84.9	85.2	86.3	87.4	87.6	87.6	87.6	87.6
≥2500	41.5	75.7	77.5	79.8	82.7	82.7	82.9	83.8	84.6	84.7	85.9	87.0	87.2	88.4	89.5	89.7	89.7	89.7	89.7
≥2000	42.0	77.1	76.9	81.3	84.4	84.4	84.6	85.7	86.6	86.7	87.8	88.9	89.1	90.3	91.4	91.6	91.6	91.6	91.6
≥1800	42.3	77.4	79.4	81.7	84.8	84.8	85.1	86.1	87.0	87.1	88.3	89.4	89.6	90.8	91.8	92.0	92.0	92.0	92.0
≥1600	42.8	78.5	80.4	82.9	86.0	86.0	86.2	87.4	88.3	88.4	89.6	90.6	90.8	92.0	93.1	93.3	93.3	93.3	93.3
≥1400	42.7	79.2	81.3	83.9	87.0	87.0	87.2	88.5	89.4	89.5	90.8	91.8	92.0	93.2	94.3	94.5	94.5	94.5	94.5
≥1200	42.7	79.6	81.7	84.3	87.7	87.7	88.0	89.2	90.1	90.2	91.5	92.6	92.9	94.1	95.2	95.4	95.4	95.4	95.4
≥1000	42.7	79.7	81.8	84.4	87.8	87.8	88.1	89.4	90.2	90.3	91.6	92.7	93.0	94.2	95.3	95.5	95.5	95.5	95.5
≥900	42.7	79.9	82.1	84.6	88.1	88.1	88.3	89.6	90.4	90.5	91.8	92.9	93.2	94.4	95.5	95.7	95.7	95.7	95.7
≥800	42.7	80.1	82.3	84.8	88.4	88.4	88.6	89.9	90.8	90.9	92.2	93.2	93.5	94.7	95.8	96.0	96.0	96.0	96.0
≥700	42.7	80.5	82.7	85.3	88.9	88.9	89.1	90.8	91.6	91.7	93.1	94.4	94.8	96.0	97.1	97.4	97.4	97.4	97.4
≥600	42.7	80.9	83.1	85.7	89.4	89.4	89.6	91.3	92.6	92.6	94.4	95.7	96.1	97.4	98.6	98.8	98.8	98.8	98.8
≥500	42.7	80.9	83.1	85.7	89.4	89.4	89.6	91.3	92.6	92.6	94.5	95.9	96.3	97.6	98.8	99.1	99.1	99.1	99.1
≥400	42.7	80.9	83.1	85.7	89.4	89.4	89.6	91.3	92.6	92.6	94.5	96.0	96.5	97.8	99.4	99.7	99.7	99.7	99.7
≥300	42.7	80.9	83.1	85.7	89.4	89.4	89.6	91.3	92.6	92.6	94.5	96.0	96.5	97.8	99.4	99.7	99.7	99.7	99.7
≥200	42.7	80.9	83.1	85.7	89.4	89.4	89.6	91.3	92.6	92.6	94.5	96.0	96.5	97.8	99.4	99.7	99.7	99.7	99.7
≥100	42.7	80.9	83.1	85.7	89.4	89.4	89.6	91.3	92.6	92.6	94.5	96.0	96.5	97.8	99.4	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

70 220 SALENA AFB AK STATION NAME

73-62 YEAR

11A

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6100-2500

CEILING FEET	VISIBILITY - STATUTE MILES																	
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
20000	24.6	45.6	45.9	44.3	44.5	44.5	30.0	50.2	50.7	51.5	53.0	53.9	55.4	55.6	55.7	55.7	55.7	55.7
18000	26.3	47.3	48.6	50.0	51.2	51.2	51.7	51.9	52.0	53.2	54.7	55.6	57.1	57.3	57.4	57.4	57.4	57.4
16000	26.3	48.1	49.5	50.9	52.0	52.0	52.6	52.8	52.9	54.1	55.6	56.5	58.0	58.2	58.3	58.3	58.3	58.3
14000	26.4	48.2	49.4	51.0	52.2	52.2	52.7	52.9	53.0	54.2	55.7	56.6	58.1	58.3	58.4	58.4	58.4	58.4
12000	26.8	48.2	49.6	51.0	52.2	52.2	52.7	52.9	53.0	54.2	55.7	56.6	58.1	58.3	58.4	58.4	58.4	58.4
10000	27.5	49.7	50.4	51.8	53.0	53.0	53.5	53.8	53.9	55.1	56.6	57.4	58.9	59.1	59.2	59.2	59.2	59.2
9000	29.3	53.0	54.5	55.9	57.2	57.2	57.7	58.0	58.1	59.2	60.8	61.6	63.1	63.3	63.4	63.4	63.4	63.4
8000	30.4	54.8	56.3	57.7	59.0	59.0	59.6	59.9	59.9	61.1	62.6	63.4	64.9	65.2	65.3	65.3	65.3	65.3
7000	33.5	59.2	60.8	62.2	63.5	63.5	64.1	64.3	64.4	65.6	67.1	68.0	69.5	69.7	69.8	69.8	69.8	69.8
6000	34.9	61.6	63.1	64.5	65.9	65.9	66.5	66.7	66.8	68.0	69.5	70.3	71.8	72.0	72.2	72.2	72.2	72.2
5000	35.1	63.7	65.2	66.6	68.0	68.0	68.5	68.7	68.8	70.0	71.5	72.4	73.9	74.1	74.2	74.2	74.2	74.2
4500	37.1	67.1	68.9	70.4	71.8	71.8	72.4	72.6	72.7	73.9	75.4	76.2	77.7	78.0	78.1	78.1	78.1	78.1
4000	37.4	67.3	69.2	70.8	72.2	72.2	72.7	72.9	73.0	74.2	75.7	76.6	78.1	78.3	78.4	78.4	78.4	78.4
3500	39.8	72.3	72.4	74.1	75.7	75.7	76.2	76.5	76.6	77.8	79.4	80.2	81.9	82.2	82.3	82.3	82.3	82.3
3000	39.2	72.0	74.2	76.0	77.6	77.6	78.4	78.8	79.9	80.2	81.7	82.6	84.3	84.5	84.5	84.5	84.5	84.5
2500	39.7	74.8	77.1	79.0	80.8	80.8	82.0	82.5	82.6	83.9	85.5	86.3	88.1	88.3	88.4	88.4	88.4	88.4
2000	40.3	76.6	78.8	80.9	82.8	82.8	84.2	84.6	84.9	86.2	87.8	88.7	90.4	90.6	90.8	90.8	90.8	90.8
1500	40.9	77.7	80.2	82.5	84.6	84.6	86.0	86.6	87.0	88.4	90.0	90.9	92.7	92.9	93.0	93.0	93.0	93.0
1000	41.1	78.1	80.5	82.8	84.9	84.9	86.5	87.1	87.5	88.9	90.5	91.4	93.2	93.4	93.5	93.5	93.5	93.5
900	41.5	78.9	81.4	83.9	86.0	86.0	87.6	88.3	88.7	90.1	91.7	92.6	94.4	94.6	94.7	94.7	94.7	94.7
800	41.7	79.7	82.3	84.8	87.1	87.1	88.7	89.4	89.8	91.2	92.8	93.7	95.5	95.7	95.8	95.8	95.8	95.8
700	41.7	79.7	82.3	84.8	87.1	87.1	88.7	89.4	89.8	91.2	92.8	93.7	95.5	95.7	95.8	95.8	95.8	95.8
600	41.7	79.7	82.3	84.8	87.1	87.1	88.7	89.4	89.8	91.2	92.8	93.7	95.5	95.7	95.8	95.8	95.8	95.8
500	41.7	79.9	82.6	85.3	87.5	87.5	89.2	90.1	90.5	92.0	93.8	94.6	96.6	96.8	96.9	96.9	96.9	96.9
400	41.7	79.9	82.6	85.3	87.5	87.5	89.2	90.1	90.5	92.0	93.8	94.6	96.6	96.8	96.9	96.9	96.9	96.9
300	41.7	80.0	82.7	85.4	88.0	88.0	89.8	90.6	91.1	92.6	94.3	95.2	97.1	97.3	97.4	97.4	97.4	97.4
200	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0	99.0	99.0
100	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0	99.0	99.0
0	41.7	80.6	83.4	86.1	88.7	88.7	90.9	91.8	92.3	94.0	95.7	96.6	98.6	98.8	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 932

# CEILING VERSUS VISIBILITY

70-25 GALENA AFS AK STATION NAME

73-62 YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

6000-0000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
100	27.5	46.2	47.0	47.7	49.9	50.0	50.6	51.3	51.5	53.0	54.2	54.9	55.9	56.1	56.1	56.5
150	28.6	47.8	48.2	49.9	51.1	51.2	51.8	52.5	52.7	54.2	55.4	56.1	57.1	57.3	57.3	57.6
200	29.3	47.7	48.5	50.2	51.4	51.5	52.2	52.8	53.7	54.5	55.7	56.5	57.4	57.6	57.6	58.0
250	29.9	48.0	48.7	50.4	51.6	51.7	52.7	53.0	53.9	54.7	55.9	56.7	57.6	57.8	57.8	58.2
300	29.1	48.2	48.9	50.6	51.8	51.9	52.0	53.2	53.4	54.9	56.1	56.9	57.8	58.1	58.1	58.4
350	30.4	48.5	50.2	51.9	53.1	53.2	53.9	54.5	54.7	56.2	57.4	58.2	59.1	59.4	59.4	59.7
400	31.4	52.2	52.9	54.6	55.8	55.9	56.7	57.3	57.5	59.0	60.2	61.0	61.9	62.2	62.2	62.5
450	32.3	53.7	54.4	56.1	57.3	57.4	58.2	58.8	59.0	60.5	61.7	62.5	63.4	63.7	63.7	64.0
500	35.1	57.8	58.5	60.5	61.7	61.8	62.6	63.2	63.4	64.9	66.1	66.9	67.8	68.1	68.1	68.4
550	36.2	60.4	61.2	63.1	64.3	64.4	65.2	65.8	66.7	67.5	68.7	69.5	70.4	70.6	70.6	71.0
600	35.7	61.9	62.8	64.7	66.0	66.1	66.9	67.5	67.7	69.2	70.4	71.2	72.2	72.4	72.4	72.7
650	37.8	66.1	66.9	68.8	70.2	70.3	71.1	71.7	71.9	73.4	74.6	75.4	76.3	76.6	76.6	76.9
700	38.4	68.9	67.6	69.6	71.0	71.1	71.8	72.5	72.7	74.2	75.4	76.1	77.1	77.3	77.3	77.6
750	38.7	69.7	70.6	72.7	74.1	74.2	74.9	76.0	76.2	77.8	79.0	79.8	80.8	81.0	81.0	81.3
800	40.1	71.2	72.2	74.2	75.6	75.7	76.5	77.5	77.7	79.5	80.6	81.4	82.4	82.6	82.6	82.9
850	40.5	73.4	74.2	76.3	77.8	78.0	78.8	80.3	80.5	82.3	83.4	84.2	85.2	85.4	85.4	85.7
900	41.4	74.9	76.1	78.3	79.8	79.9	80.9	82.6	82.9	84.5	85.7	86.5	87.4	87.6	87.6	88.0
950	42.4	76.8	78.1	80.2	81.9	82.3	83.2	85.1	85.4	87.4	88.6	89.4	90.3	90.5	90.5	90.9
1000	42.5	77.5	78.7	81.0	82.7	82.8	84.0	85.8	86.1	88.2	89.4	90.1	91.1	91.3	91.3	91.6
1050	42.9	78.4	79.7	82.0	84.1	84.3	85.6	87.4	87.8	89.9	91.1	91.8	92.8	93.0	93.0	93.3
1100	43.3	79.4	80.9	83.5	85.7	86.0	87.3	89.1	89.4	91.6	92.8	93.5	94.5	94.7	94.7	95.1
1150	43.3	79.6	81.1	83.8	85.9	86.2	87.7	89.7	90.1	92.2	93.3	94.1	95.2	95.4	95.4	95.7
1200	43.3	80.0	81.5	84.2	86.3	86.7	88.2	90.2	90.6	92.7	93.9	94.6	95.7	95.9	95.9	96.2
1250	43.3	80.3	81.8	84.5	86.7	87.0	88.6	90.6	91.0	93.1	94.3	95.1	96.1	96.3	96.3	96.6
1300	43.0	80.9	82.3	84.7	86.9	87.2	88.7	90.9	91.3	93.4	94.6	95.4	96.5	96.7	96.8	97.1
1350	43.0	80.8	82.3	85.1	87.3	87.6	89.1	91.3	91.7	93.9	95.1	95.8	96.9	97.1	97.2	97.5
1400	43.3	81.3	82.5	85.6	87.8	88.2	89.7	91.8	92.4	94.5	95.7	96.5	97.5	97.7	97.8	98.2
1450	43.3	81.1	82.7	85.8	88.1	88.4	90.0	92.2	92.7	95.2	96.5	97.2	98.5	98.8	98.9	99.4
1500	43.3	81.1	82.7	85.9	88.3	88.6	90.2	92.4	92.9	95.4	96.9	97.6	98.9	99.2	99.4	99.8
1550	43.3	81.2	82.8	86.0	88.4	88.7	90.3	92.5	93.0	95.5	97.0	97.8	99.1	99.5	99.6	100.0
1600	43.3	81.2	82.8	86.0	88.4	88.7	90.3	92.5	93.0	95.5	97.0	97.8	99.1	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-227 SLENA AFS AK STATION NAME

73-82 YEAR

JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8930-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	33.3	36.5	36.7	37.3	38.6	36.7	40.2	40.5	41.0	41.9	43.3	43.7	45.6	45.7	46.7	45.3
8000	36.1	39.2	39.5	40.1	41.4	41.5	43.0	43.3	43.8	44.7	46.1	46.5	48.4	48.5	48.8	49.1
6000	38.2	41.4	41.6	42.3	43.5	43.7	45.2	45.5	45.9	46.9	48.3	48.6	50.5	50.6	51.1	51.4
4000	38.3	41.5	41.7	42.4	43.7	43.8	45.3	45.6	46.0	47.0	48.4	48.7	50.6	50.8	51.2	51.5
2000	38.8	42.0	42.3	42.9	44.2	44.3	45.8	46.1	46.6	47.5	49.0	49.4	51.3	51.4	51.9	52.2
1000	40.5	43.8	44.1	44.6	45.9	46.0	47.5	47.8	48.3	49.2	50.8	51.1	53.0	53.1	53.5	53.9
500	45.6	48.8	49.0	49.7	51.0	51.1	52.7	53.0	53.4	54.4	55.9	56.2	58.2	58.3	59.7	59.1
300	46.6	49.9	50.1	51.1	52.3	52.4	54.0	54.3	54.7	55.7	57.2	57.5	59.5	59.6	60.0	60.4
200	52.2	55.9	56.1	57.2	58.6	58.7	60.3	60.9	61.3	62.3	63.8	64.1	66.0	66.1	66.5	67.0
150	55.1	59.7	59.9	61.0	62.4	62.5	64.1	64.6	65.1	66.0	67.5	67.8	69.8	69.9	70.3	70.8
100	55.6	61.4	61.7	63.1	64.5	64.6	66.2	66.8	67.2	68.3	69.8	70.1	72.0	72.0	72.6	73.0
75	59.1	64.6	64.9	66.3	68.1	68.2	69.9	70.5	71.0	72.0	73.5	73.9	75.8	75.9	76.3	76.8
50	60.1	65.6	65.9	67.3	69.1	69.2	71.0	71.7	72.2	73.2	74.7	75.1	77.0	77.1	77.5	78.0
30	62.1	67.8	68.2	69.8	71.6	71.7	73.4	74.2	74.6	75.7	77.2	77.5	79.5	79.6	80.0	80.4
20	63.8	70.0	70.6	72.9	74.3	74.4	76.1	76.9	77.3	78.6	80.1	80.4	82.4	82.5	82.9	83.3
15	65.9	72.5	73.1	74.9	76.8	77.0	79.1	80.1	80.5	81.9	83.7	84.0	85.9	86.0	86.5	86.9
10	66.8	73.8	74.5	76.3	78.3	78.5	80.6	81.7	82.2	83.7	85.5	85.8	87.7	87.8	88.3	88.7
7.5	67.3	74.7	75.5	77.3	79.4	79.6	81.9	83.2	83.7	85.5	87.3	87.6	89.7	89.8	90.2	90.6
5	68.1	75.5	76.2	78.1	80.1	80.3	82.7	84.0	84.4	86.2	88.1	88.5	90.4	90.5	91.0	91.4
3.5	68.8	76.7	77.4	79.4	81.5	81.7	84.2	85.5	86.1	88.2	90.0	90.4	92.6	92.7	93.1	93.5
2.5	69.8	78.1	78.9	80.8	83.1	83.3	85.8	87.4	88.2	90.2	92.0	92.5	94.6	94.7	95.2	95.6
2	70.0	78.4	79.1	81.3	83.7	83.9	86.7	88.3	89.7	91.1	93.1	93.5	95.7	95.8	96.3	96.8
1.5	70.2	78.8	79.6	81.7	84.1	84.3	87.1	88.7	89.5	91.5	93.5	94.0	96.1	96.2	96.8	97.2
1	70.4	79.1	79.9	82.2	84.5	84.7	87.5	89.1	89.9	91.9	94.1	94.5	96.7	96.8	97.3	97.7
0.75	70.4	79.1	79.9	82.2	84.5	84.7	87.5	89.1	89.9	91.9	94.1	94.5	96.7	96.8	97.3	97.7
0.5	70.8	79.5	80.2	82.5	84.8	85.1	87.8	89.5	90.2	92.3	94.4	94.8	97.1	97.2	97.8	98.3
0.3	70.8	79.5	80.3	82.6	85.1	85.3	88.1	89.7	90.4	92.5	94.7	95.2	97.4	97.5	98.2	98.6
0.2	70.9	79.6	80.4	82.7	85.3	85.7	88.6	90.6	91.4	93.4	95.7	96.1	98.4	98.5	99.1	99.6
0.15	70.9	79.6	80.4	82.7	85.3	85.7	88.7	90.8	91.5	93.7	95.9	96.3	98.6	98.7	99.4	99.8
0.1	70.9	79.6	80.4	82.7	85.3	85.7	88.7	90.8	91.5	93.7	95.9	96.3	98.6	98.7	99.4	99.8
0.05	70.9	79.6	80.4	82.7	85.3	85.7	88.8	90.9	91.6	93.9	96.1	96.6	98.9	98.9	99.6	100.0
0.02	70.9	79.6	80.4	82.7	85.3	85.7	88.8	90.9	91.6	93.9	96.1	96.6	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 030

FEDERAL BUREAU OF SURVEY  
 UNITED STATES DEPARTMENT OF COMMERCE  
 NATIONAL WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. 220 STATION NAME SILENA AFS AK YEAR 73-82

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	36.6	39.8	39.9	40.6	41.6	41.6	41.8	42.4	42.6	43.7	44.4	44.6	45.4	45.4	45.7	45.9
1800	41.4	42.6	42.7	43.4	44.4	44.4	44.6	45.2	45.4	46.6	47.3	47.5	48.3	48.3	48.6	48.6
1600	43.9	45.1	45.2	46.0	47.0	47.0	47.2	47.7	48.0	49.1	49.9	50.1	50.9	50.9	51.2	51.4
1400	44.0	45.2	45.3	46.1	47.1	47.1	47.3	47.8	48.1	49.2	50.0	50.2	51.0	51.0	51.3	51.5
1200	45.1	46.2	46.3	47.2	48.2	48.2	48.7	49.2	49.5	50.6	51.5	51.7	52.5	52.5	52.9	53.1
1000	47.1	48.3	48.5	49.4	50.3	50.3	51.0	51.6	51.7	52.9	53.8	54.0	54.7	54.7	55.2	55.4
800	51.9	53.0	53.2	54.1	55.1	55.1	55.7	56.2	56.5	57.6	58.5	58.7	59.5	59.5	59.9	60.1
600	52.6	53.8	54.0	54.9	55.9	55.9	56.6	57.1	57.3	58.6	59.6	59.8	60.5	60.5	61.0	61.2
400	58.8	60.2	60.5	61.5	62.5	62.5	63.1	63.7	63.9	65.2	66.2	66.5	67.2	67.2	67.5	67.9
200	61.9	63.5	63.9	64.8	65.9	65.9	66.6	67.1	67.3	68.7	69.8	70.0	70.9	70.8	71.2	71.4
100	63.3	65.5	66.1	67.2	68.4	68.4	69.0	69.6	69.9	71.3	72.4	72.6	73.3	73.3	73.8	74.0
50	66.2	69.3	69.9	70.0	71.2	71.2	71.8	72.5	72.8	74.3	75.6	75.8	76.6	76.6	77.3	77.2
30	68.0	70.0	70.8	71.8	73.0	73.0	74.0	74.6	75.1	76.6	77.8	78.1	78.8	78.8	79.2	79.5
15	70.3	72.6	73.5	74.7	75.9	75.9	77.1	77.8	78.4	80.0	81.5	81.7	82.5	82.5	82.9	83.2
10	71.7	73.4	74.4	75.6	76.9	76.9	78.5	79.5	80.0	81.6	83.1	83.3	84.1	84.1	84.5	84.8
5	73.5	76.1	77.1	78.4	79.9	79.9	81.9	83.0	83.5	85.4	87.0	87.2	88.0	88.0	88.4	88.7
3	75.1	77.8	78.8	80.1	81.7	81.7	83.9	85.1	85.6	87.6	89.2	89.5	90.2	90.2	90.9	91.2
2	75.7	78.8	79.8	81.1	82.7	82.7	85.2	86.5	87.1	89.2	90.9	91.1	91.8	91.8	92.5	92.8
1	75.9	79.0	80.0	81.3	82.9	82.9	85.4	86.7	87.3	89.6	91.3	91.5	92.3	92.3	92.9	93.2
0	76.7	80.0	81.2	82.7	84.4	84.4	86.9	88.3	89.1	91.6	93.3	93.5	94.3	94.3	94.9	95.3
0	77.2	80.5	81.9	83.4	85.2	85.2	87.6	89.2	90.1	92.6	94.3	94.5	95.3	95.3	95.9	96.2
0	77.2	80.5	81.9	83.4	85.3	85.3	87.8	89.6	90.4	92.9	94.8	95.1	95.8	95.8	96.6	96.9
0	77.7	81.2	82.6	84.1	85.9	85.9	88.5	90.2	91.2	93.7	95.6	95.8	96.6	96.6	97.3	97.6
0	77.8	81.5	82.9	84.4	86.2	86.2	88.8	90.5	91.5	94.1	96.0	96.2	97.0	97.0	97.7	98.1
0	78.4	82.0	83.4	84.9	86.8	86.8	89.4	91.1	92.0	94.6	96.6	96.8	97.5	97.5	98.3	98.6
0	78.4	82.2	83.7	85.4	87.2	87.2	89.8	91.5	92.5	95.1	97.0	97.2	98.0	98.0	98.7	99.0
0	79.5	82.3	83.8	85.5	87.5	87.5	90.1	91.9	92.9	95.5	97.4	97.6	98.4	98.4	99.1	99.5
0	79.5	82.3	83.8	85.5	87.6	87.6	90.2	92.0	93.0	95.8	97.7	98.0	98.8	98.8	99.6	99.9
0	78.5	82.3	83.8	85.5	87.6	87.6	90.2	92.0	93.0	95.8	97.7	98.0	98.8	98.8	99.6	99.9
0	78.5	82.3	83.8	85.5	87.6	87.6	90.2	92.0	93.0	95.8	97.7	98.0	98.8	98.8	99.6	99.9
0	78.5	82.3	83.8	85.5	87.6	87.6	90.2	92.0	93.0	95.8	97.7	98.0	98.8	98.8	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 920

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20541  
 METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 7-220 SALENA AFS AK STATION NAME 73-82 YEAR 1950-1950

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	39.9	41.6	42.5	43.1	44.7	44.7	44.8	45.2	45.4	46.0	46.0	46.2	46.9	47.1	47.3	47.3
8000	43.9	45.5	46.2	46.8	48.4	48.4	48.5	48.8	49.0	49.7	49.7	49.9	50.8	51.1	51.3	51.3
6000	45.5	47.4	48.2	48.7	50.3	50.3	50.4	50.8	51.0	51.6	51.6	51.8	52.7	53.0	53.3	53.4
4000	45.6	47.6	48.4	48.9	50.5	50.5	50.6	51.0	51.2	51.8	51.8	52.0	52.9	53.2	53.5	53.7
2000	46.7	48.9	49.7	50.3	51.9	51.9	52.0	52.4	52.6	53.2	53.2	53.4	54.3	54.6	54.9	55.1
1000	47.5	49.8	50.5	51.2	52.8	52.8	52.9	53.2	53.4	54.1	54.1	54.3	55.2	55.5	55.8	55.9
500	51.5	54.3	55.1	55.7	57.3	57.3	57.4	57.7	58.0	58.7	58.7	58.9	59.8	60.1	60.4	60.5
300	51.4	54.8	55.6	56.2	57.8	57.8	58.0	58.3	58.5	59.2	59.2	59.5	60.3	60.6	61.0	61.1
200	55.6	60.1	60.9	61.7	63.3	63.3	63.4	63.8	64.0	64.7	64.7	64.9	65.8	66.1	66.5	66.6
150	59.2	63.2	64.1	64.9	66.6	66.6	66.8	67.2	67.4	68.2	68.2	68.4	69.2	69.6	69.9	70.0
100	60.8	65.3	66.2	67.1	68.9	68.9	69.1	69.6	69.8	70.5	70.5	70.8	71.6	71.9	72.3	72.4
75	64.4	69.4	70.3	71.3	73.3	73.3	73.7	74.2	74.4	75.3	75.4	75.6	76.5	76.8	77.1	77.2
50	66.1	71.4	72.4	73.7	75.7	75.7	76.1	76.7	76.9	77.7	77.8	78.1	78.9	79.2	79.6	79.7
25	68.7	74.2	75.3	76.4	78.7	78.7	79.2	80.0	80.2	81.3	81.4	81.6	82.5	82.8	83.2	83.3
15	70.0	76.1	77.2	78.6	80.9	80.9	81.5	82.3	82.7	83.8	83.9	84.1	84.9	85.3	85.7	85.8
10	71.4	78.1	79.1	80.4	82.8	82.8	83.8	84.9	85.6	87.0	87.2	87.4	88.3	88.6	89.0	89.1
7.5	72.8	79.5	80.5	81.9	84.4	84.4	85.4	86.6	87.2	88.8	89.1	89.4	90.2	90.5	91.0	91.1
5	73.7	80.9	81.9	83.3	85.9	85.9	87.0	88.2	88.8	90.6	91.0	91.2	92.0	92.4	92.8	92.9
2.5	74.1	81.3	82.4	83.9	86.5	86.5	87.5	88.9	89.6	91.4	91.7	91.9	92.8	93.1	93.5	93.7
1.5	74.7	82.0	83.3	85.1	87.8	87.8	88.9	90.3	91.1	92.9	93.2	93.4	94.3	94.6	95.1	95.2
1	75.1	82.6	84.1	85.9	88.9	89.0	90.2	91.7	92.5	94.3	94.6	94.8	95.7	96.0	96.5	96.6
.75	75.4	83.0	84.5	86.3	89.4	89.5	90.6	92.2	92.9	94.7	95.1	95.3	96.1	96.5	96.9	97.0
.5	75.4	83.1	84.6	86.5	89.5	89.6	90.8	92.3	93.0	94.8	95.2	95.4	96.2	96.6	97.0	97.1
.25	75.6	83.4	84.9	86.8	89.9	90.0	91.2	92.7	93.4	95.3	95.6	95.8	96.7	97.0	97.4	97.5
.15	75.8	83.8	85.3	87.1	90.2	90.3	91.6	93.1	93.9	95.9	96.2	96.5	97.3	97.6	98.1	98.2
.1	75.9	83.9	85.5	87.3	90.5	90.6	91.9	93.4	94.2	96.2	96.6	96.8	97.6	98.0	98.4	98.5
.075	76.0	84.1	85.8	87.6	91.1	91.2	92.5	94.0	94.7	96.8	97.1	97.3	98.2	98.5	98.9	99.0
.05	76.0	84.2	85.9	87.7	91.2	91.3	92.6	94.1	94.8	97.1	97.4	97.6	98.5	98.8	99.2	99.7
.025	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
.015	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
.01	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
.0075	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
.005	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
.0025	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
.0015	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0
.001	76.0	84.2	85.9	87.7	91.3	91.4	92.7	94.2	94.9	97.3	97.6	97.8	98.7	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16				
NO CEILING ≥20000	29.1	46.6	47.5	48.0	49.9	49.6	50.7	50.9	51.2	52.2	52.7	52.7	53.0	53.1	53.2	53.2
≥18000	31.9	50.3	51.1	51.7	53.2	53.3	54.4	54.6	54.9	55.9	56.4	56.5	56.8	57.2	57.4	57.4
≥16000	31.9	50.3	51.1	51.7	53.2	53.3	54.4	54.6	54.9	55.9	56.4	56.5	56.8	57.2	57.4	57.4
≥14000	32.9	51.0	51.9	52.4	53.9	54.0	55.1	55.3	55.7	56.6	57.2	57.3	57.6	57.9	58.1	58.1
≥12000	32.7	51.3	52.2	52.7	54.3	54.4	55.4	55.7	56.0	56.9	57.5	57.6	57.9	58.2	58.4	58.4
≥10000	34.4	54.1	55.7	55.5	57.1	57.2	58.2	58.4	58.8	59.8	60.4	60.5	60.8	61.1	61.4	61.4
≥8000	35.9	55.5	56.4	56.9	58.4	58.6	59.8	60.1	60.4	61.5	62.0	62.1	62.4	62.8	63.0	63.0
≥6000	33.1	60.0	60.9	61.4	62.9	63.0	64.3	64.5	64.8	65.9	66.4	66.5	66.8	67.2	67.4	67.4
≥4000	36.8	62.4	63.3	63.8	65.3	65.4	66.7	67.0	67.3	68.4	68.9	69.0	69.3	69.6	69.9	69.9
≥2000	39.8	64.2	65.1	65.7	67.2	67.3	68.6	68.6	69.1	70.2	70.7	70.8	71.2	71.5	71.7	71.7
1000	42.4	66.1	69.2	69.9	71.4	71.6	72.8	73.2	73.5	74.6	75.1	75.2	75.6	75.9	76.1	76.1
500	43.7	69.4	70.6	71.3	72.8	72.9	74.2	74.6	74.9	76.0	76.5	76.6	77.7	77.3	77.5	77.5
200	44.7	73.1	75.1	76.1	77.7	77.6	79.2	79.7	80.0	81.2	81.7	81.8	82.1	82.5	82.7	82.7
100	45.6	75.1	77.4	78.4	80.1	80.3	82.1	82.6	82.9	84.1	84.6	84.7	85.0	85.4	85.6	85.6
50	46.6	77.0	79.3	80.4	82.1	82.5	84.9	85.4	85.7	87.0	87.5	87.6	87.9	88.3	88.5	88.5
25	47.3	78.0	80.5	81.6	83.3	83.6	86.3	86.8	87.3	88.6	89.1	89.2	89.6	89.9	90.1	90.1
15	47.6	79.8	82.3	83.4	85.3	85.7	88.4	88.8	89.3	90.9	91.4	91.5	91.8	92.1	92.4	92.4
10	47.7	80.2	82.8	84.2	86.0	86.4	89.1	89.6	90.1	91.6	92.1	92.2	92.6	92.9	93.1	93.1
7	47.8	81.1	83.9	85.5	87.4	87.8	90.9	91.3	91.8	93.3	93.9	94.0	94.3	94.6	94.8	94.8
5	47.9	81.8	84.4	86.0	87.9	88.4	91.4	91.6	92.4	94.0	94.5	94.6	94.9	95.3	95.5	95.5
3	47.9	82.2	84.9	86.5	88.5	88.9	91.9	92.4	92.9	94.6	95.2	95.3	95.7	96.0	96.2	96.2
2	47.9	82.2	84.9	86.5	88.5	88.9	91.9	92.4	92.9	94.6	95.2	95.3	95.7	96.0	96.2	96.2
1	48.2	82.7	85.4	87.0	89.0	89.5	92.6	93.0	93.6	95.4	95.9	96.0	96.4	96.8	97.0	97.0
0.5	48.5	83.2	86.1	87.6	89.7	90.1	93.2	93.6	94.5	96.2	96.8	96.9	97.3	97.6	97.8	97.8
0.2	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
0.1	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
0.05	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
0.02	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
0.01	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
0.005	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
0.002	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9
0.001	48.5	84.0	86.9	88.6	90.6	91.1	94.2	94.6	95.5	97.2	97.7	97.8	98.3	98.6	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 020

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-222 WALENA AFS AK STATION NAME

73-82 YEAR

1945

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2137-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
≥20000	26.7	45.3	45.7	46.4	49.7	49.8	50.7	51.1	51.5	53.0	53.6	53.9	54.5	54.5	54.7	54.7
≥18000	27.6	47.1	47.5	48.2	51.6	51.7	52.5	53.0	53.3	54.8	55.4	55.8	56.3	56.3	56.5	56.5
≥16000	28.3	47.8	48.2	49.0	52.3	52.4	53.3	53.8	54.1	55.7	56.3	56.6	57.2	57.2	57.4	57.4
≥14000	28.5	48.0	48.4	49.2	52.5	52.6	53.5	54.0	54.4	55.9	56.5	56.8	57.4	57.4	57.6	57.6
≥12000	29.8	48.3	48.8	49.5	53.0	53.1	53.9	54.5	54.8	56.3	56.9	57.3	57.8	57.8	58.0	58.0
≥10000	29.2	49.0	49.4	50.2	53.6	53.7	54.6	55.1	55.4	56.9	57.6	57.9	58.4	58.4	58.7	58.7
≥9000	31.2	53.3	53.7	54.5	57.9	58.0	58.9	59.4	59.7	61.2	61.9	62.2	62.8	62.8	63.0	63.0
≥8000	32.3	54.6	55.0	55.8	59.2	59.3	60.5	61.0	61.4	62.9	63.5	63.8	64.4	64.4	64.6	64.6
≥7000	34.7	58.0	58.4	59.3	62.8	62.9	64.0	64.6	64.9	66.4	67.1	67.4	67.9	67.9	68.1	68.1
≥6000	35.4	60.4	60.8	61.7	65.1	65.2	66.4	67.0	67.3	68.8	69.4	69.8	70.3	70.3	70.5	70.5
≥5000	37.1	63.4	63.8	64.9	68.5	68.6	69.8	70.3	70.6	72.1	72.8	73.1	73.6	73.6	73.8	73.8
≥4500	38.2	65.6	66.1	67.1	70.7	70.8	72.1	72.8	73.1	74.7	75.3	75.7	76.2	76.2	76.4	76.4
≥4000	39.0	66.6	67.1	68.1	71.8	71.9	73.2	73.8	74.2	75.8	76.4	76.7	77.3	77.3	77.5	77.5
≥3500	40.5	70.9	71.7	73.1	76.9	77.0	78.6	79.2	79.5	81.2	81.8	82.1	82.7	82.7	82.9	82.9
≥3000	40.3	72.7	73.5	75.2	79.3	79.4	81.1	81.7	82.0	83.6	84.3	84.6	85.1	85.1	85.4	85.4
≥2500	41.4	74.7	75.8	77.4	81.8	82.0	83.9	84.5	84.9	86.5	87.2	87.5	88.1	88.1	88.3	88.3
≥2000	42.0	75.3	76.5	78.4	82.9	83.1	84.9	85.6	86.0	87.6	88.3	88.6	89.1	89.1	89.3	89.3
≥1800	42.7	76.9	78.0	80.7	85.3	85.5	87.3	88.2	88.7	90.3	91.0	91.3	91.8	91.8	92.0	92.0
≥1600	42.7	77.0	78.9	80.8	85.4	85.6	87.4	88.3	88.8	90.4	91.1	91.4	91.9	91.9	92.1	92.1
≥1400	42.4	77.7	79.4	82.0	86.8	87.0	88.9	89.8	90.3	92.0	92.7	93.0	93.5	93.5	93.8	93.8
≥1200	43.2	78.4	80.5	82.8	87.7	87.9	89.9	90.7	91.3	93.1	93.9	94.2	94.7	94.7	94.9	94.9
≥1000	43.2	78.6	80.7	83.0	87.9	88.2	90.2	91.1	91.6	93.4	94.2	94.5	95.0	95.0	95.3	95.3
≥900	43.2	78.7	80.8	83.1	88.1	88.3	90.3	91.2	91.7	93.5	94.3	94.6	95.2	95.2	95.4	95.4
≥800	43.2	78.9	81.1	83.3	88.4	88.6	90.6	91.5	92.0	93.9	94.6	94.9	95.5	95.5	95.7	95.7
≥700	43.2	79.0	81.2	83.4	88.5	88.7	91.2	92.1	92.7	94.5	95.3	95.6	96.1	96.1	96.3	96.3
≥600	43.6	80.1	82.3	84.7	89.8	90.1	92.6	93.5	94.1	95.9	96.7	97.0	97.5	97.5	97.7	97.7
≥500	43.8	80.4	82.7	85.0	90.1	90.4	92.9	94.1	94.6	96.4	97.2	97.5	98.1	98.1	98.6	98.6
≥400	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.0	96.9	97.6	98.0	98.5	98.5	99.0	99.1
≥300	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.5	99.0	99.0	99.6	99.7
≥200	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.5	99.0	99.0	99.6	99.7
≥100	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.6	99.1	99.2	99.9	100.0
≥0	43.8	80.5	82.9	85.3	90.3	90.6	93.2	94.5	95.2	97.2	98.1	98.6	99.1	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-5422C

ALENA AFS AK STATION NAME

73-82 YEARS

1951-1979

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	22	21	21	20	20	19	19	18	18	17
2000	33.7	43.4	44.1	45.0	45.7	46.7	47.4	47.8	48.0	49.2	50.0	50.4	51.3	51.5	51.7	51.8
1800	32.8	45.7	46.4	47.3	48.0	49.0	49.7	50.1	50.4	51.5	52.4	52.8	53.7	54.0	54.2	54.3
1600	34.0	47.0	47.7	48.6	50.3	50.3	51.0	51.4	51.7	52.8	53.7	54.1	55.1	55.3	55.5	55.6
1400	34.3	47.3	47.8	48.7	50.4	50.5	51.2	51.6	51.8	52.9	53.8	54.2	55.2	55.4	55.6	55.8
1200	34.6	47.7	48.4	49.3	51.0	51.1	51.8	52.2	52.5	53.6	54.5	54.9	55.9	56.1	56.4	56.5
1000	35.5	48.7	49.4	50.4	52.1	52.1	52.9	53.3	53.5	54.7	55.6	55.9	56.9	57.2	57.4	57.5
800	38.3	52.6	53.3	54.3	56.0	56.1	56.9	57.2	57.5	58.7	59.6	59.9	60.9	61.2	61.4	61.5
600	39.1	53.8	54.5	55.5	57.2	57.3	58.1	58.5	58.8	60.0	60.9	61.3	62.2	62.5	62.7	62.9
400	42.3	58.9	59.2	60.4	62.1	62.1	63.0	63.4	63.7	64.8	65.8	66.1	67.1	67.4	67.6	67.7
200	44.5	61.4	62.2	63.3	65.0	65.1	66.0	66.4	66.6	67.8	68.8	69.1	70.1	70.4	70.6	70.7
100	45.8	63.6	64.4	65.6	67.5	67.5	68.4	68.8	69.1	70.3	71.2	71.6	72.6	72.8	73.0	73.2
50	47.9	66.8	67.8	69.0	70.9	71.0	71.9	72.4	72.7	73.9	74.9	75.3	76.3	76.5	76.7	76.9
25	48.9	68.0	69.0	70.2	72.2	72.2	73.2	73.7	74.0	75.2	76.2	76.6	77.6	77.8	78.0	78.2
12	50.6	71.2	72.4	73.9	75.9	75.9	77.0	77.6	77.9	79.2	80.2	80.6	81.6	81.9	82.1	82.3
6	51.4	72.9	74.2	75.8	77.8	77.9	79.1	79.8	80.1	81.5	82.5	82.9	83.9	84.2	84.4	84.6
3	52.6	75.1	76.5	78.2	80.4	80.5	82.1	82.9	83.3	84.7	85.8	86.2	87.2	87.5	87.8	87.9
1	53.4	76.5	77.9	79.7	82.0	82.1	83.7	84.7	85.1	86.6	87.7	88.1	89.1	89.4	89.7	89.8
0	54.0	77.8	79.4	81.2	83.7	83.8	85.6	86.6	87.1	88.8	89.9	90.3	91.3	91.6	91.9	92.0
0	54.3	78.2	79.9	81.7	84.2	84.3	86.1	87.2	87.6	89.3	90.4	90.8	91.9	92.2	92.4	92.6
0	54.7	79.2	80.9	82.9	85.5	85.7	87.6	88.6	89.2	91.0	92.1	92.5	93.5	93.8	94.1	94.2
0	55.1	80.0	81.8	83.9	86.6	86.8	88.7	89.8	90.4	92.2	93.3	93.7	94.8	95.1	95.4	95.5
0	55.1	80.2	82.0	84.2	86.9	87.1	89.1	90.3	90.9	92.7	93.9	94.3	95.4	95.7	96.0	96.1
0	55.2	80.3	82.2	84.3	87.1	87.3	89.3	90.5	91.0	92.9	94.0	94.4	95.6	95.8	96.2	96.3
0	55.3	80.6	82.4	84.6	87.4	87.6	89.6	90.8	91.4	93.2	94.4	94.8	96.0	96.2	96.6	96.7
0	55.4	80.8	82.7	84.8	87.6	87.8	89.9	91.2	91.7	93.6	94.9	95.3	96.4	96.7	97.0	97.1
0	55.6	81.2	83.1	85.3	88.1	88.3	90.4	91.7	92.3	94.2	95.4	95.8	96.9	97.2	97.5	97.7
0	55.6	81.4	83.4	85.7	88.6	88.8	91.1	92.2	92.9	94.8	96.0	96.4	97.6	97.8	98.3	98.4
0	55.6	81.6	83.6	85.9	88.9	89.2	91.4	92.8	93.5	95.5	96.8	97.2	98.4	98.7	99.1	99.3
0	55.6	81.6	83.6	85.9	89.0	89.2	91.4	92.9	93.6	95.7	97.0	97.5	98.7	99.0	99.4	99.7
0	55.6	81.8	83.7	86.0	89.0	89.2	91.5	92.9	93.6	95.7	97.1	97.5	98.8	99.1	99.5	99.8
0	55.6	81.8	83.7	86.0	89.0	89.2	91.5	92.9	93.6	95.8	97.1	97.6	98.8	99.2	99.7	100.0
0	55.6	81.8	83.7	86.0	89.0	89.2	91.5	92.9	93.6	95.8	97.1	97.6	98.8	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7478

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 STATION GALENA AFS AK STATION NAME

73-82 YEAR

558

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8988-7200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
20000	36.4	55.2	55.8	56.6	57.4	57.4	57.7	58.2	58.3	58.9	60.3	61.0	61.7	62.5	63.0	63.0
18000	37.7	56.9	57.4	58.3	59.1	59.1	59.3	59.8	59.9	60.5	61.9	62.6	63.4	64.2	64.7	64.7
16000	37.7	56.9	57.4	58.3	59.1	59.1	59.3	59.8	59.9	60.5	61.9	62.6	63.4	64.2	64.7	64.7
14000	37.9	57.4	58.1	58.9	59.7	59.7	59.9	60.4	60.5	61.1	62.5	63.2	63.9	64.8	65.2	65.2
12000	38.7	59.1	59.7	60.5	61.3	61.3	61.6	62.1	62.2	62.8	64.2	64.9	65.6	66.4	66.9	66.9
10000	38.9	59.9	60.5	61.3	62.2	62.2	62.4	62.9	63.0	63.6	65.0	65.7	66.4	67.3	67.7	67.7
9000	39.5	61.2	61.9	62.6	63.5	63.5	63.7	64.2	64.3	64.9	66.3	67.0	67.7	68.6	69.0	69.0
8000	41.0	64.2	65.0	65.8	66.7	66.7	66.9	67.4	67.5	68.1	69.5	70.2	70.9	71.7	72.2	72.2
7000	42.7	68.0	68.8	69.6	70.4	70.4	70.7	71.2	71.3	71.9	73.3	74.0	74.7	75.5	76.0	76.0
6000	42.8	69.1	70.0	70.8	71.6	71.6	72.0	72.5	72.6	73.2	74.6	75.3	76.0	76.8	77.4	77.5
5000	43.5	72.3	73.2	74.1	75.2	75.2	75.8	76.4	76.6	77.2	78.6	79.3	80.0	80.9	81.4	81.6
4500	44.2	73.8	74.7	75.8	76.8	76.8	77.4	78.0	78.3	78.8	80.3	81.0	81.7	82.5	83.1	83.2
4000	45.4	75.8	76.8	78.0	79.2	79.4	80.0	80.6	81.0	81.9	83.5	84.2	84.9	85.7	86.3	86.4
3500	46.9	78.1	79.3	80.5	81.8	82.0	82.6	83.2	83.6	84.9	86.4	87.1	87.8	88.7	89.2	89.4
3000	47.1	79.6	80.9	82.2	83.6	83.8	84.4	85.2	85.6	86.9	88.4	89.1	90.0	90.8	91.4	91.5
2500	47.0	79.8	81.1	82.4	83.8	84.0	85.1	85.7	86.4	87.9	89.5	90.2	91.0	91.8	92.4	92.6
2000	47.6	81.4	82.7	84.0	85.7	85.9	87.4	87.9	88.7	90.2	91.7	92.4	93.3	94.1	94.7	94.8
1800	47.6	81.7	83.0	84.3	85.9	86.2	87.6	88.2	88.9	90.4	92.0	92.7	93.5	94.3	94.9	95.0
1500	47.6	81.8	83.1	84.4	86.1	86.3	87.9	88.7	89.4	90.9	92.4	93.1	94.0	94.8	95.4	95.5
1200	47.6	81.9	83.3	84.6	86.3	86.5	88.2	89.2	90.2	91.7	93.3	94.0	94.8	95.6	96.2	96.3
1000	47.6	82.2	83.6	84.9	86.5	86.8	88.4	89.5	90.4	92.0	93.6	94.3	95.3	96.1	96.7	96.8
900	47.6	82.3	83.7	85.0	86.6	86.9	88.5	89.6	90.5	92.1	93.7	94.4	95.4	96.2	96.8	96.9
800	47.6	82.3	83.7	85.0	86.6	86.9	88.7	89.7	90.7	92.2	93.9	94.6	95.6	96.5	97.0	97.2
700	47.6	82.5	83.9	85.2	87.0	87.2	89.0	90.1	91.0	92.6	94.2	94.9	96.1	96.9	97.5	97.6
600	47.6	82.5	83.9	85.2	87.0	87.2	89.0	90.1	91.0	92.6	94.2	94.9	96.1	96.9	97.5	97.6
500	47.6	82.5	84.3	85.7	87.7	87.9	89.7	90.9	91.8	93.4	95.2	96.0	97.3	98.1	98.7	98.8
400	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.4	92.3	93.9	95.6	96.5	97.8	98.6	99.3	99.4
300	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0
200	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0
100	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0
0	47.6	82.5	84.3	85.7	87.8	88.2	90.1	91.5	92.4	94.0	95.9	96.9	98.3	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION NAME SALENA AFS AK 73-82 YEAR 58

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	35.4	53.5	54.7	54.4	55.7	55.7	55.8	56.3	56.5	57.7	59.1	60.4	61.1	61.8	62.5	62.5
≥20000	36.2	54.5	55.0	55.3	56.6	56.6	56.7	57.2	57.4	58.6	60.0	61.3	62.1	62.8	63.5	63.5
≥18000	36.8	55.1	55.6	55.9	57.2	57.2	57.3	57.8	58.0	59.2	60.6	61.9	62.6	63.4	64.1	64.1
≥16000	36.4	55.1	55.6	55.9	57.2	57.2	57.3	57.8	58.0	59.2	60.6	61.9	62.6	63.4	64.1	64.1
≥14000	36.8	55.2	55.7	56.0	57.3	57.3	57.4	57.9	58.2	59.3	60.5	62.1	62.9	63.5	64.2	64.2
≥12000	37.1	56.5	57.3	57.3	58.6	58.6	58.7	59.2	59.5	60.6	62.1	63.4	64.1	64.8	65.5	65.5
≥10000	37.8	58.6	59.1	59.6	60.9	60.9	61.0	61.5	61.7	62.9	64.3	65.6	66.3	67.0	67.7	67.7
≥8000	38.2	59.1	59.6	60.0	61.3	61.3	61.5	61.9	62.2	63.4	64.8	66.1	66.8	67.5	68.2	68.2
≥7000	40.2	61.8	62.4	62.9	64.2	64.2	64.3	64.8	65.0	66.2	67.6	68.9	69.6	70.3	71.0	71.0
≥6000	41.5	65.7	66.3	66.8	68.2	68.2	68.3	68.8	69.0	70.2	71.6	72.9	73.6	74.3	75.1	75.1
≥5000	41.8	67.5	68.1	68.6	70.0	70.0	70.1	70.6	70.8	72.0	73.4	74.7	75.4	76.4	77.2	77.2
≥4500	42.9	71.4	72.2	72.8	74.3	74.3	74.5	74.9	75.2	76.4	77.8	79.1	79.8	80.7	81.6	81.6
≥4000	43.5	72.0	72.8	73.4	74.9	74.9	75.2	75.7	75.9	77.1	78.5	79.8	80.5	81.4	82.3	82.3
≥3500	44.6	74.2	75.4	76.2	78.1	78.1	78.5	79.1	79.9	80.1	81.4	82.9	84.2	84.9	85.8	86.6
≥3000	45.4	75.8	77.1	77.8	79.8	80.1	80.9	81.7	82.0	83.3	84.3	86.1	86.8	87.7	88.5	88.5
≥2500	45.7	77.9	79.1	80.1	82.2	82.5	83.5	84.5	85.0	86.3	87.7	89.0	89.8	90.8	91.6	91.6
≥2000	45.9	78.8	80.1	81.3	83.3	83.7	84.6	85.7	86.3	87.9	89.4	90.7	91.5	92.4	93.3	93.3
≥1800	46.0	79.8	81.1	82.4	84.4	84.8	85.7	86.8	87.4	89.0	90.4	91.7	92.6	93.5	94.3	94.3
≥1500	46.2	80.3	81.7	83.0	85.0	85.3	86.3	87.4	87.9	89.6	91.0	92.3	93.1	94.1	94.9	94.9
≥1200	46.3	80.5	82.1	83.3	85.3	85.7	86.8	87.9	88.5	90.2	91.6	92.9	93.7	94.7	95.5	95.5
≥1000	46.3	81.0	82.5	83.8	85.8	86.2	87.2	88.7	89.2	90.9	92.4	93.7	94.6	95.5	96.3	96.3
≥900	46.3	81.2	82.7	84.0	86.1	86.4	87.5	88.9	89.5	91.1	92.7	94.0	94.8	95.7	96.6	96.6
≥800	46.3	81.3	82.8	84.2	86.2	86.5	87.6	89.0	89.6	91.3	92.8	94.1	94.9	95.8	96.7	96.7
≥700	46.3	81.4	83.1	84.3	86.3	86.6	87.7	89.1	89.7	91.6	93.3	94.6	95.4	96.3	97.2	97.2
≥600	46.3	81.6	83.1	84.4	86.4	86.8	87.8	89.2	89.8	91.7	93.4	94.7	95.5	96.5	97.3	97.3
≥500	46.3	81.8	83.3	84.8	86.9	87.2	88.4	89.8	90.7	92.6	94.2	95.5	96.5	97.4	98.2	98.2
≥400	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.6	93.5	95.3	96.6	97.6	98.6	99.5	99.5
≥300	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.8	93.9	95.6	96.9	98.0	98.9	99.9	99.9
≥200	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.8	93.9	95.6	96.9	98.0	98.9	99.9	99.9
≥100	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.8	93.9	95.6	96.9	98.1	99.1	100.0	100.0
≥0	46.3	81.8	83.3	84.9	87.5	87.9	89.1	90.7	91.8	93.9	95.6	96.9	98.1	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

CENTRAL CLIMATOLOGY BRANCH  
 OFFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 WALENA AFS AK

73-62

F-1-P

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATISTICALS															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	38.7	50.9	51.3	51.8	52.6	52.6	53.0	53.3	53.4	55.4	56.6	58.0	58.7	59.7	60.5	60.8
2 INCH	39.4	52.2	52.6	53.1	53.9	53.9	54.3	54.6	54.7	56.7	57.9	59.3	60.0	61.0	61.8	62.1
2 1/2 INCH	40.2	53.1	53.4	53.9	54.8	54.8	55.2	55.6	55.7	57.8	59.0	60.4	61.1	62.1	62.9	63.1
3 INCH	40.2	53.1	53.4	53.9	54.8	54.8	55.2	55.6	55.7	57.8	59.0	60.4	61.1	62.1	62.9	63.1
4 INCH	40.5	53.4	53.9	54.3	55.2	55.2	55.6	55.9	56.0	58.2	59.3	60.8	61.5	62.4	63.2	63.5
5 INCH	41.3	54.8	55.2	55.7	56.6	56.6	57.0	57.4	57.6	59.7	60.9	62.3	63.0	63.9	64.8	65.0
6 INCH	42.3	57.1	57.7	58.4	59.3	59.3	59.7	60.2	60.3	62.4	63.6	65.0	65.7	66.7	67.5	67.7
8 INCH	42.9	57.8	58.4	59.1	60.0	60.0	60.4	60.9	61.0	63.1	64.3	65.7	66.4	67.4	68.2	68.4
10 INCH	45.9	61.3	61.7	62.8	63.7	63.7	64.1	64.5	64.7	66.8	68.0	69.4	70.1	71.0	71.9	72.1
12 INCH	48.0	65.1	65.7	66.7	67.7	67.7	68.1	68.7	68.8	70.9	72.1	73.5	74.2	75.2	76.0	76.2
15 INCH	48.3	66.9	67.5	68.4	69.5	69.5	69.9	70.4	70.6	72.7	73.9	75.3	76.0	77.0	77.9	78.1
20 INCH	50.9	70.6	71.2	72.1	73.2	73.2	73.6	74.2	74.3	76.5	77.7	79.1	79.8	80.7	81.7	81.9
25 INCH	50.9	71.2	71.7	72.7	73.8	73.8	74.2	74.6	74.9	77.1	78.3	79.7	80.4	81.3	82.3	82.5
30 INCH	52.0	72.9	74.1	75.3	76.6	76.6	77.2	77.8	77.9	80.4	81.6	83.0	83.7	84.6	85.6	85.8
35 INCH	52.4	74.1	75.3	76.5	77.8	77.8	78.4	79.3	79.4	81.9	83.1	84.5	85.2	86.2	87.1	87.4
40 INCH	53.1	75.7	77.0	78.3	79.7	79.7	80.3	81.2	81.3	83.8	85.0	86.4	87.1	88.1	89.0	89.2
45 INCH	53.2	76.2	77.5	79.1	80.9	80.9	81.6	82.5	82.7	85.5	86.6	88.1	88.8	89.7	90.7	90.9
50 INCH	54.4	79.1	80.4	81.9	83.7	83.7	84.4	85.3	85.8	88.5	89.7	91.1	91.8	92.8	93.7	94.0
60 INCH	54.4	79.2	80.5	82.0	83.8	83.8	84.5	85.5	86.1	88.8	90.0	91.4	92.1	93.0	94.0	94.2
70 INCH	54.9	79.9	81.2	82.7	84.5	84.5	85.2	86.2	86.8	89.5	90.7	92.1	92.8	93.7	94.7	94.9
80 INCH	54.5	80.1	81.4	83.0	84.9	84.9	85.6	86.5	87.1	89.8	91.0	92.4	93.1	94.1	95.0	95.3
90 INCH	54.5	80.3	81.6	83.1	85.0	85.0	85.7	86.6	87.2	90.1	91.3	92.7	93.4	94.3	95.3	95.5
100 INCH	54.5	80.4	81.7	83.2	85.1	85.1	85.8	86.8	87.4	90.2	91.4	92.8	93.5	94.4	95.4	95.6
120 INCH	54.6	80.9	82.2	83.7	85.6	85.6	86.3	87.4	88.2	91.0	92.2	93.6	94.3	95.3	96.2	96.5
140 INCH	54.7	81.1	82.4	83.9	85.8	85.8	86.5	87.6	88.4	91.4	92.5	94.0	94.7	95.6	96.6	96.8
160 INCH	54.7	81.1	82.4	83.9	85.8	85.8	86.5	87.6	88.5	91.5	92.7	94.1	94.8	95.7	96.7	96.9
180 INCH	55.0	82.0	83.5	85.2	87.1	87.1	87.9	89.0	90.1	93.1	94.4	95.9	96.7	97.6	98.7	98.9
200 INCH	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	94.9	96.3	97.2	98.2	99.2	99.4
250 INCH	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.4	98.5	99.5	99.8
300 INCH	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.4	98.5	99.5	99.8
350 INCH	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.4	98.5	99.5	99.8
400 INCH	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.4	98.5	99.5	99.8
450 INCH	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.4	98.5	99.5	99.8
500 INCH	55.0	82.2	83.6	85.3	87.4	87.4	88.2	89.2	90.3	93.5	95.0	96.5	97.4	98.5	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 616

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2220 GALENA AFS AK STATION NAME

73-62 YEARS

FEET

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0200-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	210	26	25	24	23	22	22	21	21	21	20	20	20	20	20	20
20000	48.1	50.1	51.2	51.3	52.6	52.7	52.7	53.4	53.7	55.0	56.0	56.6	57.9	58.6	59.6	59.9
18000	49.3	51.7	52.7	52.8	54.1	54.3	54.3	55.0	55.7	56.9	57.6	58.2	59.5	60.2	61.1	61.5
16000	50.1	52.5	53.5	53.7	55.0	55.1	55.1	55.8	56.0	57.3	58.4	59.0	60.3	61.0	61.9	62.3
14000	50.4	52.7	53.8	53.9	55.2	55.3	55.3	56.0	56.3	57.6	58.6	59.2	60.5	61.2	62.2	62.5
12000	51.1	53.4	54.5	54.6	55.9	56.0	56.0	56.7	57.0	58.3	59.3	59.9	61.2	61.9	62.9	63.2
10000	52.6	55.1	56.1	56.3	57.6	57.6	57.6	58.6	58.9	60.2	61.2	61.8	63.1	63.8	64.9	65.1
8000	55.0	57.8	58.9	59.1	60.4	60.6	60.6	61.5	61.7	63.0	64.1	64.7	66.0	66.7	67.6	68.0
6000	56.6	58.5	59.4	59.8	61.1	61.3	61.3	62.2	62.4	63.7	64.8	65.4	66.7	67.4	68.3	68.7
4000	59.0	61.9	63.1	63.4	64.7	64.9	65.0	66.1	66.3	67.6	68.7	69.3	70.6	71.3	72.2	72.6
2000	64.2	67.4	68.4	68.8	70.1	70.3	70.4	71.5	71.7	73.0	74.1	74.7	76.0	76.7	77.7	78.0
1000	65.1	68.3	69.5	69.7	71.0	71.3	71.4	72.5	72.7	74.0	75.1	75.7	77.0	77.7	78.6	79.0
500	67.1	70.6	71.9	72.2	73.6	73.9	74.0	75.1	75.3	76.7	77.8	78.4	79.7	80.4	81.3	81.7
400	68.0	71.4	72.7	73.0	74.5	74.7	74.8	75.9	76.2	77.7	78.7	79.3	80.7	81.4	82.4	82.7
300	69.7	73.4	75.1	75.4	77.0	77.3	77.5	78.6	79.1	80.7	82.0	82.6	84.0	84.8	85.7	86.1
200	70.4	74.4	76.2	76.8	78.5	78.8	79.1	80.3	80.9	82.5	83.8	84.4	85.8	86.5	87.5	87.8
150	71.2	75.4	77.1	77.9	79.7	80.0	80.5	81.7	82.3	83.9	85.2	85.8	87.2	87.9	88.9	89.2
100	71.6	75.9	77.5	78.4	80.3	80.6	81.1	82.4	83.1	84.9	86.2	86.8	88.2	88.9	89.8	90.2
80	72.7	78.0	79.7	80.9	82.9	83.3	83.8	85.2	85.9	88.1	89.4	90.0	91.4	92.1	93.0	93.4
60	72.7	78.5	80.1	81.3	83.3	83.8	84.3	85.7	86.4	88.5	89.8	90.4	91.8	92.6	93.5	93.9
40	72.7	78.5	80.1	81.3	83.3	83.7	84.2	85.6	86.4	87.2	89.4	90.7	91.3	92.7	93.4	94.2
20	72.9	78.8	80.5	81.7	84.0	84.5	85.0	86.8	87.6	89.8	91.1	91.7	93.1	93.9	94.8	95.2
10	72.9	79.0	80.6	81.8	84.3	84.9	85.3	87.5	88.3	90.5	92.1	92.7	94.1	94.8	95.7	96.1
8	72.9	79.0	80.6	81.8	84.3	84.9	85.3	87.6	88.4	90.7	92.2	92.8	94.2	94.9	95.9	96.2
6	72.9	79.0	80.6	81.8	84.3	84.9	85.3	87.7	88.5	90.8	92.3	92.9	94.3	95.0	96.0	96.3
4	72.9	79.0	80.6	82.2	84.8	85.3	85.8	88.2	89.0	91.4	92.9	93.5	94.9	95.6	96.6	96.9
2	72.9	79.1	81.0	82.5	85.1	85.7	86.4	88.9	89.7	92.1	93.7	94.4	96.1	96.8	97.9	98.3
1	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.4	94.1	94.8	96.7	97.5	98.7	99.2
0	73.0	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	99.9
0	73.1	79.2	81.1	82.6	85.2	85.8	86.6	89.1	90.0	92.6	94.3	95.2	97.0	98.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GENERAL CLIMATOLOGY BRANCH  
DAAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-82      WALENA AFS AK      STATION NAME      73-82      YEAR      FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1230-1400

VISIBILITY - STATUTE MILES

25	20	25	24	23	22	20	21	24	21	24	24	25	26	27	28
55.3	57.7	57.9	57.9	58.7	56.7	58.7	58.9	58.9	59.6	59.6	59.7	59.9	59.9	60.2	60.2
58.7	59.5	59.7	59.7	60.5	60.5	60.5	60.6	60.6	61.3	61.3	61.5	61.7	61.7	61.7	61.9
61.1	62.5	62.8	62.8	63.6	63.6	63.6	63.7	63.7	64.4	64.4	64.5	64.8	64.8	65.0	65.0
61.3	62.8	63.1	63.0	63.6	63.6	63.6	63.8	63.8	64.7	64.7	64.8	65.0	65.0	65.2	65.2
63.0	64.4	64.7	64.7	65.5	65.5	65.5	65.6	65.6	66.3	66.3	66.4	66.7	66.7	66.9	66.9
64.1	66.1	66.4	66.4	67.3	67.3	67.3	67.4	67.4	68.1	68.1	68.2	68.4	68.4	68.7	68.7
67.0	68.9	69.3	69.3	70.1	70.1	70.1	70.2	70.2	70.9	70.9	71.0	71.3	71.3	71.5	71.5
68.0	69.3	70.2	70.3	71.2	71.2	71.2	71.3	71.4	71.4	72.1	72.1	72.2	72.5	72.5	72.7
70.8	72.8	73.2	73.4	74.2	74.2	74.5	74.6	74.6	75.3	75.3	75.4	75.7	75.7	75.9	75.9
74.1	76.1	76.6	76.8	77.7	77.7	77.9	78.0	78.0	78.7	78.7	78.8	79.1	79.1	79.3	79.3
74.8	76.8	77.3	77.5	78.5	78.5	78.7	78.8	78.8	79.6	79.6	79.7	79.9	79.9	80.1	80.1
77.3	79.7	80.3	80.5	81.6	81.6	81.8	82.4	82.4	83.2	83.2	83.3	83.6	83.6	83.8	83.8
77.9	80.5	81.1	81.3	82.5	82.5	82.9	83.5	83.5	84.4	84.4	84.6	84.8	85.0	85.0	85.2
80.1	82.7	83.3	83.4	85.0	85.1	85.6	86.2	86.2	87.2	87.2	87.6	87.7	87.9	88.1	88.3
81.4	84.2	85.1	85.3	87.0	87.1	87.7	88.3	88.3	89.4	89.4	89.7	89.8	90.1	90.2	90.4
82.5	85.3	86.2	86.6	88.7	88.8	89.4	90.1	90.1	91.3	91.5	91.7	92.0	92.1	92.3	92.3
82.9	85.7	86.5	87.0	89.0	89.1	89.7	90.4	90.4	91.6	92.0	92.2	92.4	92.6	92.8	92.8
83.1	87.0	87.8	88.3	90.4	90.5	91.3	92.0	92.0	93.1	93.5	93.7	94.0	94.1	94.3	94.3
84.2	87.6	88.4	88.9	91.0	91.1	92.0	92.7	92.7	93.9	94.2	94.4	94.7	94.8	95.0	95.0
84.2	87.8	88.7	89.2	91.4	91.5	92.3	93.0	93.0	94.2	94.6	94.8	95.0	95.2	95.4	95.4
84.5	88.2	89.0	89.6	91.7	91.8	92.7	93.4	93.4	94.6	94.9	95.2	95.4	95.5	95.7	95.7
84.8	88.9	89.7	90.4	92.6	92.8	93.6	94.3	94.6	95.9	96.3	96.7	96.9	97.0	97.3	97.3
84.8	88.9	89.7	90.4	92.6	92.8	93.6	94.3	94.7	96.1	96.6	96.9	97.2	97.3	97.5	97.5
84.8	88.9	89.7	90.4	92.7	93.0	93.9	94.6	95.0	96.5	96.9	97.3	97.5	97.6	97.9	97.9
85.1	89.4	90.4	91.1	93.4	93.7	94.6	95.5	96.0	97.4	97.9	98.2	98.5	98.6	98.8	98.8
85.7	89.7	90.7	91.4	93.6	94.0	94.8	95.7	96.2	97.8	98.2	98.6	98.9	99.1	99.3	99.3
85.7	89.7	90.7	91.4	93.6	94.0	94.8	95.7	96.5	98.0	98.6	98.9	99.3	99.4	99.6	99.6
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.8	99.2	99.6	99.8	100.0	100.0
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.8	99.2	99.6	99.8	100.0	100.0
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.8	99.2	99.6	99.8	100.0	100.0
85.0	89.7	90.7	91.4	93.6	94.1	95.0	96.0	96.7	98.2	98.8	99.2	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AND WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	57.3	58.3	59.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
8000	58.9	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
6000	60.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
4000	60.9	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2000	61.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
1000	64.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
800	67.1	68.3	68.3	68.4	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
600	68.1	69.6	69.6	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
400	72.5	74.2	74.6	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
200	75.5	77.4	78.0	78.1	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
10000	76.2	73.3	78.8	79.0	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
8000	80.1	82.5	83.1	83.2	83.5	83.5	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
6000	80.9	83.5	84.2	84.3	84.6	84.6	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
4000	82.0	85.2	85.9	86.2	86.6	86.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2000	83.3	86.8	87.5	87.7	88.3	88.3	89.4	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
1000	85.3	88.5	89.4	89.6	90.3	90.3	91.5	91.6	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.2
800	85.3	89.7	89.9	90.1	90.8	90.9	92.1	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.9
600	86.2	90.2	91.0	91.3	92.0	92.1	93.3	93.5	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.2
400	86.4	90.4	91.3	91.5	92.2	92.4	94.0	94.2	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.9
200	86.5	90.9	91.1	92.0	92.7	92.9	94.6	94.8	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.6
100	86.9	91.3	92.1	92.3	93.0	93.3	94.9	95.2	95.4	95.9	96.0	96.1	96.1	96.1	96.1	96.2
8000	87.1	91.4	92.2	92.4	93.1	93.4	95.0	95.4	95.7	96.3	96.5	96.6	96.6	96.6	96.6	96.7
6000	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.5	96.7	96.7	96.7	96.7	96.8
4000	87.1	91.5	92.3	92.6	93.3	93.5	95.2	95.5	95.9	96.5	96.5	96.7	96.7	96.7	96.7	96.8
2000	87.1	91.9	92.7	92.9	93.6	94.0	95.6	96.0	96.3	96.9	97.0	97.2	97.2	97.2	97.2	97.3
1000	87.4	92.4	93.1	93.6	94.1	94.7	96.3	96.7	97.0	97.6	97.8	97.9	97.9	97.9	97.9	98.0
8000	87.6	92.8	93.6	94.0	94.8	95.2	96.8	97.2	97.5	98.2	98.3	98.5	98.5	98.5	98.5	98.6
6000	87.6	92.8	93.6	94.0	95.4	95.7	97.6	98.0	98.7	99.4	99.5	99.6	99.6	99.6	99.6	99.8
4000	87.6	92.8	93.6	94.0	95.4	95.7	97.6	98.1	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9
2000	87.6	92.8	93.6	94.0	95.4	95.7	97.6	98.1	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9
1000	87.6	92.8	93.6	94.0	95.4	95.7	97.6	98.1	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 844

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 A.F. WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

7 1220 STATION GALENA AFS AK

73-82 YEARS

568

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	49.8	60.2	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.9	60.9	60.9	60.9
≥20000	50.7	61.8	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.6	62.6	62.6
≥17000	51.7	63.0	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8
≥14000	51.7	63.0	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.8	63.8	63.8
≥11000	52.4	63.7	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.5	64.5	64.5
≥8000	53.3	65.0	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.8	65.8	65.8
≥5000	54.6	67.1	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	68.1	68.1	68.1
≥2000	55.0	68.2	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.4	69.4	69.4
≥1000	57.9	72.6	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.8	73.8	73.8
≥500	61.1	78.5	79.1	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.9	79.9	79.9
≥200	61.7	79.7	80.1	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.9	80.9	81.1	81.1	81.1
≥100	63.9	83.1	83.7	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.8	84.8	84.8
≥50	64.3	84.4	85.1	85.5	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.5	86.5	86.5
≥25	65.6	85.3	86.2	86.5	86.9	87.0	87.4	87.4	87.4	87.4	87.5	87.6	87.6	87.8	87.8	87.8
≥15	66.3	87.2	88.1	88.4	88.9	89.0	89.4	89.4	89.4	89.4	89.6	89.7	89.7	90.0	90.0	90.0
≥10	66.7	87.8	88.7	89.1	89.3	89.3	89.7	89.8	89.8	89.8	90.1	90.1	90.1	90.3	90.3	90.3
≥7.5	67.0	88.4	89.2	89.7	90.0	91.1	91.7	91.8	92.1	92.3	92.4	92.4	92.4	92.7	92.7	92.7
≥5	67.6	89.7	90.7	91.1	92.4	92.7	93.3	93.4	93.6	93.9	94.0	94.0	94.0	94.2	94.2	94.2
≥3.5	67.6	89.7	90.9	91.3	92.6	92.8	93.4	93.5	93.7	94.0	94.1	94.1	94.1	94.3	94.3	94.3
≥2.5	67.6	90.2	91.7	91.6	93.0	93.3	94.1	94.4	94.8	95.3	95.4	95.5	95.7	95.7	95.7	95.7
≥2	67.6	90.4	91.5	92.1	93.5	93.7	94.6	94.9	95.4	96.0	96.1	96.2	96.5	96.5	96.5	96.5
≥1.5	67.8	90.5	91.6	92.2	93.6	93.9	94.7	95.2	95.6	96.3	96.5	96.6	96.8	96.8	96.8	96.8
≥1	67.6	90.7	91.7	92.3	93.7	94.0	94.8	95.3	95.7	96.5	96.6	96.7	96.9	96.9	96.9	96.9
≥0.75	67.8	90.9	92.0	92.6	94.0	94.2	95.0	95.6	96.1	96.8	96.9	97.0	97.3	97.3	97.3	97.3
≥0.5	67.6	91.1	92.2	92.8	94.2	94.4	95.3	95.9	96.3	97.0	97.2	97.3	97.5	97.5	97.5	97.5
≥0.4	67.7	91.5	92.6	93.1	94.6	94.8	95.7	96.3	96.8	97.6	97.8	97.9	98.2	98.2	98.2	98.2
≥0.3	67.7	91.5	92.6	93.1	94.7	94.9	96.1	96.8	98.2	99.3	99.4	99.5	99.9	99.9	99.9	99.9
≥0.2	67.7	91.5	92.6	93.1	94.7	94.9	96.1	96.8	98.2	99.3	99.4	99.5	99.9	99.9	99.9	99.9
≥0.15	67.7	91.5	92.6	93.1	94.7	94.9	96.1	96.8	98.2	99.3	99.4	99.5	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 568

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-229 SALENA AFS AK STATION NAME

73-62 YEAR

552

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

ELEVATION FEET	VISIBILITY - STATUTE MILES																
	≥ 6.0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0	
10000	42.7	59.8	60.5	60.9	61.5	61.6	61.6	61.6	61.8	61.8	62.4	63.1	63.2	63.2	63.6	63.9	63.9
9000	42.2	61.5	62.3	62.5	63.2	63.4	63.6	63.6	63.6	64.2	64.9	65.0	65.0	65.6	65.7	65.7	
8000	42.7	61.9	62.8	63.0	63.7	63.8	64.1	64.1	64.1	64.7	65.4	65.5	65.5	66.1	66.2	66.2	
7000	42.9	62.3	63.1	63.4	64.1	64.2	64.4	64.4	64.4	65.0	65.7	65.8	65.8	66.4	66.5	66.5	
6000	44.3	64.7	65.5	65.7	66.4	66.5	66.8	66.8	66.8	67.4	68.1	68.2	68.2	68.8	68.9	68.9	
5000	44.7	65.2	66.1	66.3	67.0	67.1	67.4	67.4	67.4	68.0	68.7	68.8	68.8	69.4	69.5	69.5	
4000	44.7	65.5	66.3	66.5	67.6	67.7	68.0	68.0	68.0	68.6	69.3	69.4	69.4	70.0	70.1	70.1	
3000	46.1	68.8	69.6	69.9	70.9	71.0	71.3	71.3	71.3	71.9	72.6	72.7	72.7	73.3	73.4	73.4	
2000	48.1	73.4	74.2	74.6	75.7	75.8	76.0	76.0	76.0	76.6	77.3	77.4	77.4	78.0	78.1	78.1	
1500	48.3	74.1	74.9	75.3	76.4	76.5	76.7	76.7	76.7	77.3	78.0	78.1	78.1	78.7	78.8	78.8	
1000	49.9	77.3	77.9	78.6	79.7	79.8	80.0	80.1	80.1	80.7	81.4	81.6	81.6	82.2	82.3	82.3	
500	50.7	78.0	79.1	79.8	80.9	81.1	81.4	81.6	81.6	82.2	82.9	83.0	83.0	83.6	83.7	83.7	
0	52.1	81.0	82.0	82.9	83.9	84.3	84.9	85.0	85.1	85.7	86.4	86.5	86.5	87.1	87.2	87.2	
	52.6	82.9	83.9	84.8	85.8	86.2	86.8	87.0	87.1	87.7	88.4	88.5	88.5	89.1	89.2	89.2	
	52.1	83.5	84.5	85.5	87.0	87.4	88.2	88.5	88.9	89.5	90.2	90.3	90.3	90.9	91.0	91.0	
	52.8	84.3	85.3	86.3	88.1	88.4	89.4	89.8	90.2	91.0	91.7	91.8	91.8	92.4	92.6	92.6	
	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9	
	53.3	85.6	86.6	87.6	89.4	89.7	90.7	91.1	91.5	92.3	93.0	93.1	93.1	93.7	93.9	93.9	
	53.3	85.7	86.8	87.7	89.6	90.0	91.3	92.0	92.3	93.1	93.9	94.0	94.0	94.6	94.7	94.7	
	53.3	86.3	87.4	88.3	90.2	90.5	91.8	92.6	92.9	93.7	94.8	94.9	95.0	95.6	95.7	95.7	
	53.3	86.3	87.4	88.3	90.2	90.5	91.8	92.6	92.9	93.7	94.8	94.9	95.0	95.6	95.7	95.7	
	53.3	86.5	87.6	88.5	90.4	90.8	92.1	92.8	93.1	94.1	95.2	95.5	95.6	96.2	96.3	96.3	
	53.4	87.0	88.1	89.0	90.9	91.3	92.6	93.3	93.6	94.6	95.6	96.0	96.1	96.7	96.8	96.8	
	53.4	87.2	88.3	89.2	91.1	91.5	92.8	93.5	93.9	94.8	95.9	96.2	96.3	96.9	97.0	97.0	
	53.4	87.7	88.8	90.1	92.0	92.3	93.6	94.3	94.7	95.6	96.9	97.3	97.4	98.0	98.1	98.1	
	53.4	87.7	88.8	90.1	92.0	92.3	93.6	94.3	95.2	96.2	97.5	97.9	98.1	98.7	98.8	98.8	
	53.4	87.7	88.8	90.1	92.0	92.3	93.6	94.3	95.2	96.5	97.8	98.1	98.6	99.2	99.4	99.5	
	53.4	87.7	88.8	90.1	92.0	92.3	93.6	94.3	95.2	96.5	97.8	98.2	98.8	99.4	99.6	99.8	
	53.4	87.7	88.8	90.1	92.0	92.3	93.6	94.3	95.2	96.5	97.8	98.2	98.9	99.5	99.9	100.0	
	53.4	87.7	88.8	90.1	92.0	92.3	93.6	94.3	95.2	96.5	97.8	98.2	98.9	99.5	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 846

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. 220 WALENA AFS AK STATION NAME

73-62 YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	45.6	55.7	56.2	55.4	57.2	57.2	57.3	57.6	57.7	58.5	59.2	59.8	60.2	60.7	61.1	61.2
8000	46.4	57.1	57.6	57.9	58.6	58.7	58.8	59.0	59.1	59.9	60.7	61.2	61.7	62.2	62.6	62.6
6000	47.6	58.3	58.8	59.1	59.9	59.9	60.0	60.3	60.4	61.2	61.9	62.4	62.9	63.4	63.9	63.9
4000	47.7	58.4	58.9	59.2	59.9	60.0	60.1	60.3	60.4	61.2	62.0	62.5	63.0	63.5	63.9	64.0
2000	48.3	59.1	59.6	59.8	60.6	60.6	60.7	61.0	61.1	61.9	62.6	63.2	63.7	64.1	64.6	64.6
1000	49.6	60.9	61.4	61.7	62.5	62.5	62.6	62.9	63.0	63.8	64.6	65.1	65.6	66.0	66.5	66.5
800	50.9	62.9	63.4	63.8	64.5	64.6	64.7	65.0	65.1	65.9	66.7	67.2	67.7	68.1	68.6	68.6
600	51.5	63.7	64.3	64.6	65.5	65.5	65.7	66.0	66.0	66.9	67.6	68.1	68.6	69.1	69.5	69.6
400	54.2	67.2	67.9	68.3	69.1	69.1	69.3	69.6	69.7	70.5	71.3	71.8	72.3	72.8	73.2	73.3
200	56.9	71.5	72.1	72.6	73.4	73.5	73.7	74.0	74.1	74.9	75.7	76.2	76.7	77.2	77.6	77.6
100	57.4	72.6	73.3	73.7	74.6	74.7	74.9	75.2	75.3	76.1	76.8	77.4	77.9	78.4	78.9	78.9
80	58.4	75.9	76.7	77.2	78.2	78.2	78.5	78.9	79.0	79.9	80.6	81.2	81.6	82.2	82.6	82.7
60	60.1	76.8	77.7	78.2	79.2	79.3	79.7	80.1	80.2	81.1	81.9	82.4	82.9	83.4	83.9	84.0
40	61.4	78.8	79.9	80.5	81.7	81.8	82.4	82.9	83.0	84.1	84.9	85.4	85.9	86.5	86.9	87.0
20	62.4	80.5	81.5	82.2	83.5	83.7	84.3	84.8	85.0	86.1	87.0	87.5	88.0	88.5	89.0	89.1
10	63.1	81.7	82.8	83.7	85.1	85.3	86.1	86.7	87.0	88.1	88.9	89.5	90.0	90.5	91.0	91.1
8	63.2	82.3	83.4	84.3	85.9	86.1	86.9	87.6	88.0	89.2	90.1	90.6	91.1	91.7	92.1	92.2
6	63.9	83.9	85.1	85.9	87.6	87.6	88.7	89.4	89.8	91.1	92.0	92.5	93.1	93.6	94.0	94.1
4	64.1	84.1	85.3	86.2	87.9	88.2	89.1	89.8	90.2	91.5	92.3	92.9	93.4	94.0	94.4	94.5
2	64.1	84.3	85.5	86.5	88.2	88.5	89.5	90.3	90.8	92.1	92.9	93.5	94.0	94.5	95.0	95.1
1	64.2	84.6	85.9	86.7	88.5	88.7	89.8	90.7	91.2	92.6	93.4	94.0	94.5	95.0	95.5	95.6
8	64.3	84.9	86.1	87.1	88.9	89.2	90.2	91.2	91.7	93.2	94.1	94.7	95.3	95.8	96.3	96.4
6	64.3	85.0	86.2	87.2	89.0	89.2	90.3	91.3	91.9	93.3	94.3	94.9	95.4	96.0	96.4	96.5
4	64.3	85.1	86.3	87.3	89.1	89.4	90.5	91.5	92.1	93.5	94.5	95.1	95.7	96.2	96.7	96.8
2	64.3	85.3	86.6	87.5	89.3	89.7	90.7	91.8	92.4	93.9	94.9	95.5	96.1	96.6	97.1	97.2
1	64.4	85.6	86.8	87.8	89.6	89.9	91.0	92.1	92.7	94.3	95.2	95.8	96.4	97.0	97.4	97.5
8	64.5	85.9	87.2	88.3	90.2	90.5	91.7	92.8	93.4	95.1	96.1	96.7	97.4	98.0	98.4	98.6
6	64.5	85.9	87.2	88.4	90.4	90.6	92.0	93.2	94.1	95.8	96.9	97.5	98.3	98.8	99.3	99.5
4	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.6	99.1	99.7	99.8
2	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.6	99.2	99.7	99.9
1	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.7	99.2	99.8	100.0
8	64.5	85.9	87.2	88.4	90.4	90.8	92.1	93.2	94.2	95.9	97.1	97.8	98.7	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

CLIMATE CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

8000-0230

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0
NO CEILING	42.7	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥20000	43.2	63.4	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0
≥18000	44.1	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1
≥16000	44.3	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1
≥14000	44.6	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.3
≥12000	45.2	66.6	67.1	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2
≥10000	47.0	69.2	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.0
≥9500	47.2	69.5	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2
≥8000	49.1	72.0	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.9
≥7000	50.5	74.8	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.7
≥6000	51.4	76.2	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0
≥5000	52.9	79.7	80.2	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
≥4500	53.3	80.5	81.4	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.5
≥4000	54.8	84.5	85.4	86.2	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	87.0
≥3500	55.6	86.6	87.4	88.4	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.4
≥3000	56.1	87.5	88.4	89.4	89.9	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.8
≥2500	56.6	88.2	89.2	90.4	91.2	91.6	91.9	92.0	92.5	92.6	92.6	92.6	92.6	92.6	92.8
≥2000	57.0	89.8	90.9	92.2	92.9	93.3	93.7	93.8	94.2	94.4	94.4	94.4	94.4	94.4	94.6
≥1800	57.3	90.2	91.3	92.6	93.3	93.8	94.1	94.2	94.6	94.8	94.8	94.8	94.8	94.8	95.1
≥1600	57.4	90.5	91.7	93.0	94.1	94.5	94.9	95.1	95.6	95.9	95.9	95.9	95.9	95.9	96.2
≥1400	57.4	91.5	93.0	94.5	95.8	96.2	96.8	97.0	97.5	98.1	98.2	98.2	98.2	98.2	98.5
≥1200	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.6	98.9
≥1000	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.6	98.9
≥900	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.6	98.9
≥800	57.7	91.8	93.3	94.8	96.1	96.7	97.2	97.4	98.0	98.5	98.6	98.6	98.6	98.6	98.9
≥700	57.7	91.9	93.4	94.9	96.2	96.6	97.3	97.5	98.1	98.6	98.7	98.9	98.9	98.9	99.1
≥600	57.7	91.9	93.4	94.9	96.2	96.6	97.3	97.5	98.1	98.6	98.7	98.9	98.9	98.9	99.1
≥500	57.7	92.0	93.5	95.1	96.5	97.0	97.5	97.7	98.3	98.8	98.9	99.1	99.1	99.1	99.4
≥400	58.0	92.5	94.1	95.5	96.9	97.4	98.0	98.2	98.7	99.2	99.4	99.6	99.6	99.6	99.8
≥300	58.0	92.6	94.1	95.6	97.0	97.5	98.1	98.3	98.8	99.4	99.6	99.8	99.8	99.8	99.9
≥200	58.0	92.6	94.1	95.6	97.0	97.5	98.1	98.3	98.8	99.4	99.6	99.8	99.8	99.8	99.9
≥100	58.0	92.6	94.1	95.6	97.0	97.5	98.1	98.3	98.8	99.4	99.6	99.8	99.8	99.8	99.9
≥0	58.0	92.6	94.1	95.6	97.0	97.5	98.1	98.3	98.8	99.4	99.6	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2275 GALENA AFS AK STATION NAME

73-87 YEARS

MAP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	37.7	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	37.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0
≥ 18000	38.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6
≥ 16000	38.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6
≥ 14000	39.1	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5
≥ 12000	39.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥ 10000	41.7	61.9	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 8000	41.5	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8
≥ 7000	45.2	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
≥ 6000	46.7	70.3	70.4	70.5	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0
≥ 5000	48.1	72.7	72.9	73.0	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7
≥ 4500	49.4	76.7	76.3	76.5	77.2	77.2	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 4000	49.6	76.8	77.1	77.2	78.0	78.0	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.6
≥ 3500	51.1	80.4	81.4	81.8	82.8	82.8	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.7	83.7
≥ 3000	52.7	83.4	84.3	84.7	85.9	86.1	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9	87.0	87.0
≥ 2500	52.7	84.4	85.5	86.1	87.5	87.7	88.4	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.4	89.4
≥ 2000	52.4	86.7	87.7	87.7	89.6	89.6	90.5	91.0	91.5	91.5	91.6	91.6	91.6	91.6	91.7	91.7
≥ 1800	52.7	87.2	88.4	89.4	91.5	91.7	92.6	93.2	94.0	94.0	94.1	94.1	94.1	94.1	94.2	94.2
≥ 1600	52.7	88.2	89.4	90.3	92.5	92.7	93.5	94.2	94.9	94.9	95.1	95.1	95.1	95.1	95.2	95.2
≥ 1400	52.7	88.7	90.7	91.1	93.3	93.5	94.4	95.1	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0
≥ 1200	52.8	89.6	91.7	92.0	94.4	94.7	96.0	96.9	97.6	97.7	97.8	97.8	97.8	97.8	98.0	98.0
≥ 1000	53.1	89.9	91.3	92.4	94.7	95.1	96.5	97.3	98.1	98.2	98.3	98.3	98.3	98.3	98.4	98.4
≥ 900	53.2	90.0	91.4	92.5	94.8	95.2	96.6	97.4	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5
≥ 800	53.2	90.1	91.6	92.7	95.1	95.4	96.8	97.6	98.4	98.5	98.6	98.6	98.6	98.6	98.7	98.7
≥ 700	53.2	90.2	91.7	92.8	95.2	95.5	96.9	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.8	98.8
≥ 600	53.2	90.2	91.7	92.8	95.2	95.5	96.9	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.8	98.8
≥ 500	53.3	90.5	92.0	93.1	95.5	95.8	97.2	98.1	98.8	98.9	99.1	99.1	99.1	99.1	99.2	99.2
≥ 400	53.7	90.9	92.4	93.4	95.8	96.1	97.5	98.4	99.1	99.2	99.5	99.6	99.6	99.6	99.7	99.7
≥ 300	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 200	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 100	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 0	53.7	91.0	92.5	93.5	95.9	96.2	97.6	98.5	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220

SALENA AFS AK STATION NAME

73-62 YEAR

MAP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3630-3630

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	
NO. OF OBSERVATIONS	45.9	49.5	49.5	49.8	51.0	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3
≥ 29000	48.1	51.7	51.9	52.3	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9
≥ 18000	50.1	54.1	54.1	54.4	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1
≥ 14000	50.5	54.5	54.5	54.8	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5
≥ 12000	51.6	55.6	55.6	55.9	56.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6
≥ 10000	52.2	56.2	56.2	56.6	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 9000	53.9	58.1	58.1	58.5	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1
≥ 8000	54.2	58.4	58.4	58.8	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5
≥ 7000	59.4	64.4	64.4	64.9	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8
≥ 6000	62.2	67.7	67.7	68.1	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1
≥ 5000	64.4	70.6	70.6	71.2	71.7	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3
≥ 4500	66.7	73.3	73.3	73.9	74.6	74.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4
≥ 4000	68.3	74.8	74.8	75.4	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9
≥ 3500	70.4	76.4	76.4	77.0	77.7	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5
≥ 3000	72.3	81.5	81.5	82.0	82.6	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4
≥ 2500	74.1	83.5	83.5	84.1	84.7	84.7	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
≥ 2000	74.6	84.4	84.4	85.1	85.7	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5
≥ 1800	75.7	86.2	86.2	86.9	87.5	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3
≥ 1600	75.8	86.6	86.6	87.3	87.9	87.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
≥ 1400	75.9	86.7	86.7	87.5	88.1	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
≥ 1200	76.1	87.0	87.0	87.8	88.4	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2
≥ 1000	76.6	87.4	87.4	88.1	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5
≥ 900	76.8	88.1	88.1	88.9	89.5	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
≥ 800	76.9	88.3	88.3	89.1	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5
≥ 700	76.9	88.3	88.3	89.1	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5
≥ 600	76.9	88.3	88.3	89.1	89.7	89.7	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5
≥ 500	77.1	88.8	88.8	89.5	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
≥ 400	77.1	88.8	88.8	89.5	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
≥ 300	77.1	88.8	88.8	89.5	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
≥ 200	77.1	88.8	88.8	89.5	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
≥ 100	77.1	88.8	88.8	89.5	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
≥ 0	77.1	88.8	88.8	89.5	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-222

GALENA AFS AK

STATION NAME

73-82

YEAR

1967

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1922-1966

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	47.3	48.7	49.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	49.7	50.4	50.6	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	51.4	52.8	53.1	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0
≥ 16000	52.4	53.3	53.7	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.5	54.5	54.5
≥ 14000	54.2	55.2	55.5	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3
≥ 12000	54.8	56.1	56.5	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.3	57.3	57.3	57.3	57.3
≥ 10000	57.4	58.6	59.0	59.2	59.7	59.7	59.7	59.7	59.8	59.8	59.8	60.0	60.0	60.0	60.0	60.0
≥ 9000	58.0	59.2	59.7	59.9	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6
≥ 8000	63.0	64.7	65.3	65.6	66.1	66.2	66.2	66.5	66.5	66.7	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	65.8	68.1	68.5	68.9	69.5	69.7	69.7	69.9	70.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4
≥ 6000	68.8	71.3	71.8	72.3	72.9	73.1	73.1	73.4	73.5	73.8	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	71.9	74.7	75.3	75.8	76.6	76.9	77.0	77.3	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	73.1	75.9	76.5	77.0	77.7	78.1	78.3	78.6	78.8	79.1	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000	76.9	80.6	81.4	82.4	83.5	83.9	84.5	84.8	85.2	85.9	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3500	78.5	82.6	83.3	84.4	85.7	86.1	86.8	87.3	87.6	88.4	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	79.7	84.1	84.9	86.1	87.4	87.8	88.8	89.4	89.7	90.5	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	80.6	85.1	85.9	87.4	89.0	89.6	91.1	91.8	92.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	81.4	86.1	87.1	88.5	90.2	90.6	92.4	93.2	93.5	94.6	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	81.9	86.2	87.2	88.7	90.4	91.0	92.6	93.4	93.8	94.8	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	81.8	86.6	87.6	89.1	91.1	91.6	93.2	94.1	94.5	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	82.3	87.0	88.1	89.6	91.5	92.0	93.7	94.5	94.9	96.3	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	82.7	87.5	88.7	90.2	92.2	92.7	94.3	95.2	95.6	97.1	98.0	98.0	98.1	98.1	98.1	98.1
≥ 900	82.8	87.7	88.9	90.4	92.4	92.9	94.5	95.4	95.8	97.3	98.2	98.2	98.3	98.3	98.3	98.3
≥ 800	83.0	88.0	89.1	90.6	92.6	93.1	94.7	95.6	96.0	97.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 700	83.0	88.1	89.2	90.8	92.7	93.2	94.8	95.7	96.1	97.8	98.9	98.9	99.1	99.1	99.1	99.1
≥ 600	83.0	88.3	89.5	91.0	92.9	93.4	95.1	95.9	96.3	98.1	99.2	99.2	99.5	99.5	99.5	99.5
≥ 500	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.8	99.8	99.8	99.8
≥ 400	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 300	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 200	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 100	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9
≥ 0	83.1	88.5	89.7	91.2	93.1	93.7	95.3	96.1	96.6	98.3	99.5	99.5	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220

GALENA AFS AK STATION NAME

73-82

YEARS

1987

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	9.6	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.4	4.0
20000	53.5	54.1	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
18000	55.4	55.7	55.9	56.0	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
16000	58.7	59.4	59.4	59.5	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
14000	56.7	59.4	59.4	59.5	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
12000	59.8	60.4	60.4	60.5	60.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
10000	61.2	61.6	61.7	61.7	62.0	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
8000	63.1	63.8	63.9	64.1	64.3	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
6000	63.3	64.1	64.2	64.4	64.8	64.8	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
4000	69.5	69.4	69.5	69.9	70.4	70.5	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2000	71.4	72.9	73.3	73.4	74.0	74.2	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
1000	73.1	74.6	74.7	75.4	76.0	76.3	77.0	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
500	74.7	76.6	76.6	77.4	78.1	78.4	79.0	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
250	75.1	76.8	77.1	78.0	78.6	78.9	79.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
100	77.3	80.3	80.9	81.7	82.4	82.8	84.2	84.7	84.9	85.3	85.3	85.3	85.3	85.4	85.4	85.4
50	80.0	83.0	83.9	84.6	85.4	85.8	87.6	88.2	88.5	88.9	88.9	88.9	88.9	89.7	89.0	89.0
25	81.4	84.5	85.2	86.2	87.1	87.7	89.8	90.4	90.9	91.3	91.4	91.4	91.5	91.6	91.6	91.6
12.5	83.1	86.3	87.1	88.2	89.1	89.9	92.3	92.9	93.4	94.3	94.1	94.1	94.2	94.3	94.3	94.3
6.25	83.7	86.9	87.6	88.8	89.9	90.6	93.1	93.8	94.4	95.3	95.5	95.6	95.7	95.9	95.9	95.9
3.125	83.7	86.9	87.6	88.8	89.9	90.6	93.1	93.8	94.4	95.3	95.5	95.6	95.7	95.9	95.9	95.9
1.5625	84.3	87.8	88.7	90.0	91.2	91.8	94.6	95.3	95.9	97.0	97.2	97.3	97.4	97.6	97.6	97.6
0.78125	84.6	88.2	89.1	90.3	91.6	92.4	95.1	95.8	96.5	97.6	97.8	98.0	98.1	98.3	98.3	98.3
0.390625	84.8	88.5	89.4	90.6	91.9	92.7	95.4	96.1	96.8	98.0	98.4	98.5	98.7	98.9	98.9	98.9
0.1953125	84.9	88.6	89.5	90.8	92.0	92.8	95.5	96.2	96.9	98.3	98.8	98.9	99.1	99.4	99.4	99.4
0.09765625	84.9	88.6	89.5	90.8	92.0	92.8	95.5	96.2	96.9	98.3	98.8	98.9	99.1	99.4	99.4	99.4
0.048828125	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.2	99.5	99.7	99.7	99.7
0.0244140625	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.6	99.8	99.8	99.8
0.01220703125	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.6	99.8	99.8	99.8
0.006103515625	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.6	99.8	99.8	99.8
0.0030517578125	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.6	99.8	99.8	99.8
0.00152587890625	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.6	99.8	99.8	99.8
0.000762939453125	85.1	88.7	89.6	90.9	92.2	92.9	95.6	96.3	97.0	98.4	99.1	99.4	99.6	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 1962-1968

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2
NO CEILING	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	56.1	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	60.1	60.6	60.9	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 16000	60.2	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 14000	61.1	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	62.7	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000	64.7	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 9000	65.7	66.5	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	71.4	72.4	72.7	72.7	72.7	72.7	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	74.4	75.7	76.1	76.2	76.2	76.2	76.7	77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	76.5	77.8	78.3	78.4	78.4	78.4	78.8	79.2	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	78.4	80.3	80.8	81.0	81.1	81.1	81.5	82.0	82.0	82.4	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4500	79.4	81.3	81.7	81.9	82.0	82.0	82.6	83.1	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000	81.7	84.0	84.4	84.6	84.8	84.8	85.5	86.5	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	83.9	86.2	86.9	87.0	87.2	87.2	88.0	89.0	89.1	89.8	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000	84.5	86.9	87.5	88.0	88.4	88.4	89.5	90.8	91.0	91.8	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	85.5	88.9	89.8	90.3	91.1	91.1	92.3	93.5	93.8	94.6	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	87.1	89.6	90.5	91.1	91.9	92.0	93.3	94.7	95.3	96.2	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	87.1	89.6	90.5	91.1	91.9	92.0	93.3	94.7	95.3	96.2	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	87.3	89.9	91.1	91.5	92.4	92.5	93.9	95.6	96.1	97.2	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.7	96.2	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	87.3	90.0	91.1	91.6	92.5	92.6	94.0	95.8	96.3	97.7	98.5	98.5	98.6	98.6	98.6	98.6
≥ 800	87.3	90.0	91.1	91.6	92.5	92.7	94.2	95.9	96.5	97.8	98.6	98.6	98.7	98.7	98.7	98.7
≥ 700	87.3	90.0	91.1	91.6	92.6	92.8	94.3	96.0	96.7	98.3	99.1	99.1	99.2	99.2	99.2	99.2
≥ 600	87.3	90.0	91.1	91.6	92.6	92.8	94.3	96.0	96.7	98.3	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500	87.3	90.0	91.1	91.6	92.6	92.8	94.3	96.0	96.7	98.3	99.1	99.1	99.2	99.2	99.2	99.2
≥ 400	87.3	90.0	91.1	91.6	92.6	92.8	94.3	96.0	96.7	98.3	99.1	99.1	99.2	99.2	99.2	99.2
≥ 300	87.3	90.0	91.1	91.6	92.6	92.8	94.4	96.2	96.9	98.5	99.5	99.6	99.8	99.8	99.9	99.9
≥ 200	87.3	90.0	91.1	91.6	92.6	92.8	94.4	96.2	96.9	98.5	99.5	99.6	99.9	99.9	100.0	100.0
≥ 100	87.3	90.0	91.1	91.6	92.6	92.8	94.4	96.2	96.9	98.5	99.5	99.6	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEARS

USAF

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1830-2000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.2	
NO. CEILING	50.8	53.2	53.3	53.3	53.4	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	53.8	56.3	56.5	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	56.1	59.2	59.4	59.4	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	56.3	59.6	59.7	59.7	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 14000	57.7	60.9	61.1	61.1	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000	58.4	61.6	61.7	61.7	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 10000	61.3	64.6	64.7	64.9	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	62.4	65.7	65.8	66.0	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 7000	67.4	71.3	71.4	71.6	71.9	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	69.7	73.8	73.9	74.4	74.7	74.8	75.2	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	72.9	77.6	77.8	78.5	78.9	79.0	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	74.2	78.9	79.1	79.8	80.2	80.3	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4000	78.2	84.4	84.6	85.4	85.9	86.1	86.7	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	79.2	85.6	86.1	86.9	87.4	87.6	88.3	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	80.1	86.8	87.4	88.5	89.2	89.6	90.3	91.0	91.1	91.4	91.5	91.5	91.5	91.5	91.5
≥ 2500	80.6	87.4	88.1	89.5	90.3	90.6	91.6	92.4	92.8	93.1	93.2	93.2	93.2	93.2	93.2
≥ 2000	82.0	89.0	89.9	91.4	92.3	92.7	93.9	94.7	95.3	95.6	95.7	95.7	95.7	95.7	95.7
≥ 1800	82.2	89.1	90.1	91.6	92.5	92.9	94.1	94.9	95.5	95.8	95.9	95.9	95.9	95.9	95.9
≥ 1600	82.7	89.8	90.9	92.5	93.3	93.9	95.2	96.0	96.6	97.0	97.1	97.1	97.2	97.3	97.3
≥ 1400	83.1	90.4	91.5	93.1	94.0	94.5	95.8	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.3
≥ 1200	83.1	90.4	91.5	93.1	94.0	94.5	95.8	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.3
≥ 1000	83.1	90.4	91.5	93.1	94.0	94.5	95.8	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.3
≥ 900	83.1	90.4	91.5	93.1	94.0	94.5	95.8	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.3
≥ 800	83.1	90.4	91.5	93.1	94.0	94.5	95.8	96.8	97.3	97.8	98.0	98.0	98.2	98.3	98.3
≥ 700	83.2	90.5	91.6	93.2	94.2	94.7	96.1	97.3	98.0	98.7	99.0	99.0	99.2	99.4	99.4
≥ 600	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.2	99.5	99.6	99.6
≥ 500	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.2	99.5	99.6	99.6
≥ 400	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.2	99.5	99.6	99.6
≥ 300	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.2	99.5	99.6	99.6
≥ 200	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.2	99.5	99.6	99.6
≥ 100	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.2	99.5	99.6	99.6
≥ 0	83.3	90.6	91.7	93.3	94.3	94.8	96.2	97.4	98.1	98.9	99.2	99.2	99.5	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFC WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

840

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2102-2395

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	41.1	60.2	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	42.7	62.2	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	43.1	63.3	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	43.2	63.4	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 14000	43.8	64.0	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	44.1	64.2	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	44.8	65.6	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000	45.4	66.3	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 8000	45.4	70.5	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	49.9	73.3	73.8	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000	51.2	75.3	75.7	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000	53.2	79.5	79.9	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4500	53.4	80.0	80.9	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	55.8	84.2	85.2	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	56.6	85.7	86.7	87.7	88.5	88.6	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000	57.4	87.6	88.7	90.0	90.9	91.0	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	57.7	88.4	89.7	91.2	92.0	92.2	92.3	92.5	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	58.9	89.5	90.8	92.4	93.3	93.4	93.5	93.8	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	58.7	89.8	91.2	92.8	93.9	94.0	94.1	94.3	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	59.5	90.8	92.2	93.9	94.9	95.1	95.3	95.5	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	59.7	91.3	92.8	94.7	96.0	96.1	96.5	96.8	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	59.8	91.5	93.0	94.9	96.3	96.5	96.9	97.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	59.8	91.7	93.2	95.2	96.6	96.7	97.2	97.5	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	59.8	91.8	93.3	95.3	96.8	96.9	97.4	97.7	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	60.0	92.0	93.5	95.5	97.1	97.2	97.7	98.1	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.4
≥ 400	60.0	92.0	93.5	95.5	97.2	97.3	97.8	98.2	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4
≥ 300	60.0	92.2	93.7	95.6	97.3	97.5	98.2	98.5	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 200	60.0	92.2	93.7	95.6	97.3	97.5	98.2	98.5	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 100	60.0	92.2	93.7	95.6	97.3	97.5	98.2	98.5	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 0	60.0	92.2	93.7	95.6	97.3	97.5	98.2	98.5	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 810

CLIPAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 STATION NAME SALENA AFS AK

73-82 YEARS

ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	13	22	22	21	21	21	21	21	21	21	21	20
20000	46.9	54.7	54.8	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
18000	48.2	56.8	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4
16000	50.3	59.0	59.2	59.3	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
14000	50.8	59.2	59.4	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8
12000	51.5	60.3	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9
10000	52.1	61.0	61.2	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
9000	54.2	63.4	63.6	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
8000	54.7	64.0	64.2	64.4	64.6	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
7000	59.0	69.1	69.3	69.5	69.8	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
6000	61.3	72.3	72.4	72.7	72.9	73.0	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.6
5000	63.0	74.2	74.4	74.8	75.2	75.3	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9
4500	65.0	77.2	77.5	78.0	78.5	78.6	78.9	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4
4000	65.8	78.1	78.5	79.1	79.5	79.6	80.0	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5
3500	68.3	82.1	82.4	83.5	84.2	84.3	84.9	85.2	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7
3000	69.8	84.3	85.0	85.9	86.6	86.8	87.5	88.0	88.1	88.4	88.5	88.5	88.5	88.5	88.5	88.5
2500	70.7	85.7	86.5	87.4	88.4	88.6	89.5	90.0	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8
2000	71.5	86.8	87.7	88.9	90.1	90.4	91.5	92.1	92.5	93.0	93.1	93.1	93.2	93.2	93.2	93.2
1800	72.3	88.0	89.0	90.2	91.5	91.8	93.0	93.7	94.3	94.9	95.1	95.1	95.1	95.1	95.2	95.2
1600	72.4	88.3	89.3	90.6	91.9	92.2	93.4	94.1	94.7	95.3	95.5	95.5	95.5	95.5	95.6	95.6
1400	72.7	88.8	89.9	91.1	92.4	93.0	94.3	95.1	95.6	96.3	96.6	96.6	96.6	96.7	96.7	96.7
1200	72.9	89.4	90.5	91.9	93.4	93.8	95.2	96.0	96.5	97.4	97.6	97.7	97.7	97.8	97.8	97.8
1000	73.1	89.6	90.8	92.3	93.7	94.1	95.6	96.4	97.1	97.9	98.2	98.3	98.4	98.4	98.5	98.5
900	73.2	89.8	91.0	92.5	93.8	94.3	95.7	96.6	97.2	98.1	98.4	98.4	98.5	98.6	98.6	98.6
800	73.3	89.8	91.0	92.4	94.0	94.4	95.8	96.7	97.3	98.3	98.7	98.7	98.8	98.8	98.9	98.9
700	73.3	89.9	91.1	92.5	94.0	94.5	95.9	96.8	97.4	98.4	98.8	98.8	98.8	99.0	99.0	99.0
600	73.3	90.0	91.2	92.6	94.1	94.6	96.0	96.9	97.5	98.5	98.9	99.0	99.1	99.1	99.2	99.2
500	73.4	90.2	91.4	92.7	94.3	94.8	96.2	97.1	97.7	98.7	99.2	99.2	99.4	99.4	99.5	99.5
400	73.4	90.3	91.5	92.9	94.5	94.9	96.4	97.2	97.9	98.8	99.3	99.4	99.6	99.6	99.7	99.7
300	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.6	99.8	99.8	99.9	99.9
200	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.6	99.8	99.8	99.9	99.9
100	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.6	99.8	99.8	99.9	99.9
0	73.4	90.3	91.5	92.9	94.5	95.0	96.4	97.3	98.0	99.0	99.5	99.6	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
 CLAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2222 GALENA AFS AK STATION NAME

73-62 YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

6000-0200

CEILING FEET	VISIBILITY STATE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
20000	45.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
18000	48.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
16000	49.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
14000	49.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
12000	49.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
10000	51.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
9000	52.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
8000	54.0	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
7000	56.7	76.2	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
6000	57.6	77.4	77.6	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
5000	58.9	80.8	80.9	81.1	81.1	81.1	81.1	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0
4500	59.2	81.4	81.7	81.9	81.9	81.9	81.9	82.3	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8
4000	59.9	83.9	84.1	84.3	84.3	84.3	85.0	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
3500	61.2	86.7	86.9	87.2	87.2	87.2	87.9	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
3000	61.8	89.9	90.1	90.4	90.4	90.4	91.7	91.8	91.8	92.1	92.2	92.2	92.2	92.2	92.2	92.2
2500	62.1	90.8	91.0	91.7	91.8	91.8	93.0	93.1	93.1	93.4	93.6	93.8	93.8	93.8	93.8	93.8
2000	62.3	92.4	93.3	94.1	94.4	94.4	95.7	95.8	95.8	96.1	96.2	96.2	96.4	96.4	96.4	96.4
1800	62.4	92.6	93.4	94.3	94.7	94.7	96.0	96.1	96.1	96.4	96.6	96.6	96.8	96.8	96.8	96.8
1600	62.7	92.9	93.8	94.7	95.0	95.0	96.3	96.6	96.6	96.9	97.0	97.0	97.2	97.2	97.2	97.2
1400	62.7	93.3	94.2	95.4	95.8	95.8	97.1	97.4	97.4	97.9	98.0	98.0	98.2	98.2	98.2	98.2
1200	62.7	93.4	94.3	95.6	96.0	96.0	97.4	97.8	97.8	98.2	98.3	98.3	98.6	98.6	98.6	98.6
1000	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.2	99.3	99.3	99.6	99.6	99.6	99.6
900	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
800	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
700	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
600	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
500	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
400	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
300	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
200	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
100	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7
0	62.7	93.4	94.3	95.6	96.0	96.0	97.8	98.1	98.8	99.3	99.4	99.4	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 000

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 7-220 GALENA AFS AK STATION NAME 73-62 YEAR 1962

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATISTICAL MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005	≥0.0025	≥0.001
20000	43.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.6	51.6	51.8	51.9	51.9	51.9
18000	46.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.9	53.9	54.1	54.1	54.2	54.2
16000	48.6	55.0	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	56.1	56.1	56.3	56.3	56.4	56.4
14000	49.1	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	57.0	57.0	57.2	57.2	57.3	57.3
12000	49.2	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	57.1	57.1	57.3	57.3	57.4	57.4
10000	51.9	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.6	60.6	60.9	60.9	61.0	61.0	61.1	61.1
8000	52.8	61.3	61.4	61.4	61.4	61.6	61.6	61.6	61.7	61.7	61.9	61.9	62.1	62.1	62.2	62.2
6000	56.4	65.8	65.9	66.1	66.1	66.3	66.3	66.3	66.4	66.4	66.7	66.7	66.9	66.9	67.0	67.0
4000	63.2	70.3	70.4	70.7	70.8	71.0	71.0	71.0	71.1	71.1	71.3	71.3	71.6	71.6	71.7	71.7
2000	61.1	71.2	71.3	71.6	71.7	71.9	72.1	72.1	72.2	72.2	72.4	72.4	72.7	72.7	72.8	72.8
1000	64.0	75.7	76.2	76.8	77.0	77.2	77.4	77.4	77.6	77.6	77.8	77.8	78.0	78.0	78.3	78.3
500	64.2	76.2	77.0	77.6	77.8	78.0	78.2	78.2	78.3	78.3	78.6	78.6	78.9	78.9	79.1	79.1
250	67.2	81.2	82.1	82.7	82.9	83.1	83.3	83.3	83.4	83.6	83.8	83.8	84.0	84.0	84.3	84.3
100	69.1	83.8	84.7	85.2	85.4	85.7	85.9	85.9	86.0	86.1	86.3	86.3	86.6	86.6	86.9	86.9
50	70.4	86.3	87.3	88.0	88.2	88.4	88.4	88.4	88.9	89.1	89.3	89.6	89.6	89.8	90.1	90.1
25	71.4	87.4	88.7	89.3	89.8	90.0	90.4	90.4	90.7	91.0	91.2	91.2	91.4	91.4	91.8	91.8
10	73.2	90.4	92.1	93.0	93.6	93.9	94.3	94.3	94.6	94.9	95.1	95.1	95.3	95.3	95.7	95.7
5	73.4	91.1	92.4	93.3	93.9	94.2	94.7	94.7	94.9	95.2	95.4	95.4	95.7	95.7	96.0	96.0
2.5	73.7	91.3	92.7	93.6	94.1	94.4	95.0	95.0	95.2	95.6	95.8	95.8	96.0	96.0	96.3	96.3
1.5	73.7	91.8	93.2	94.2	94.8	95.2	95.9	95.9	96.2	96.7	96.9	96.9	97.1	97.1	97.4	97.4
1	73.7	91.8	93.2	94.2	94.8	95.2	95.9	95.9	96.2	96.7	96.9	96.9	97.1	97.1	97.4	97.4
0.5	73.9	92.0	93.4	94.4	95.0	95.7	96.3	96.4	96.9	97.4	98.1	98.1	98.3	98.3	98.7	98.8
0.25	74.0	92.1	93.6	94.6	95.1	95.8	96.7	96.8	97.3	97.8	98.4	98.4	98.8	98.8	99.2	99.3
0.1	74.0	92.2	93.7	94.7	95.2	96.1	96.8	96.9	97.3	98.0	98.7	98.7	99.1	99.1	99.4	99.6
0.05	74.0	92.2	93.7	94.7	95.2	96.1	96.8	96.9	97.3	98.0	98.7	98.7	99.1	99.1	99.4	99.6
0.025	74.0	92.3	93.8	94.8	95.3	96.1	96.9	97.0	97.4	98.1	98.8	98.9	99.3	99.3	99.7	99.8
0.01	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.1	99.6	99.6	99.9	100.0
0.005	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.1	99.6	99.6	99.9	100.0
0.0025	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.1	99.6	99.6	99.9	100.0
0.001	74.2	92.6	94.0	95.0	95.6	96.3	97.1	97.2	97.7	98.3	99.0	99.1	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 SAFETYAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 220 GALENA AFS AK STATION NAME 73-82 YEAR 1952

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-2400

CEILING FEET	VISIBILITY STATUTE MILES																	
	20	25	25	24	23	22	22	21	20	20	19	18	17	16	15	14		
1000	46.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.4	
900	46.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.1	
800	50.8	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.7	
700	51.3	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.2	
600	52.2	53.7	53.9	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.1	
500	53.7	54.4	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.9	
400	57.1	58.7	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.2	
300	56.9	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.2	
200	63.1	65.4	65.9	65.8	65.9	65.9	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.6	66.7	
100	68.2	70.7	71.1	71.0	71.3	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.9	72.0	72.1	
50	69.8	72.6	73.1	73.1	73.6	73.6	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.1	74.1	74.2	74.3
0	72.9	76.1	76.7	76.7	77.2	77.2	77.6	77.6	77.8	77.9	77.9	77.9	77.9	77.9	78.1	78.1	78.2	78.3
1000	73.6	76.8	77.3	77.4	78.0	78.0	78.3	78.4	78.7	78.9	78.9	78.9	78.9	78.9	79.1	79.1	79.2	79.3
900	77.2	81.4	82.5	82.7	83.4	83.4	84.1	84.3	84.6	85.0	85.1	85.1	85.1	85.1	85.3	85.3	85.4	85.6
800	79.7	83.9	84.6	84.7	85.4	85.4	86.2	86.6	86.8	87.2	87.3	87.3	87.3	87.3	87.6	87.6	87.7	87.8
700	81.1	85.6	86.4	86.7	87.7	87.7	88.6	89.1	89.3	89.8	89.9	89.9	89.9	89.9	90.1	90.1	90.2	90.3
600	82.4	87.2	88.4	88.8	90.1	90.1	91.0	91.6	91.9	92.4	92.6	92.6	92.6	92.6	92.8	92.8	92.9	93.0
500	83.3	88.3	89.7	90.0	91.3	91.3	92.6	93.2	93.6	94.3	94.4	94.4	94.4	94.4	94.7	94.7	94.8	94.9
400	83.6	88.6	89.9	90.3	91.8	91.8	93.0	93.7	94.0	94.8	94.9	94.9	94.9	94.9	95.1	95.1	95.2	95.3
300	84.1	89.1	90.4	90.9	92.3	92.3	93.7	94.6	94.9	95.8	96.1	96.1	96.1	96.1	96.3	96.3	96.4	96.6
200	84.2	89.2	90.6	91.0	92.4	92.6	94.2	95.1	95.6	96.4	96.5	96.5	96.5	96.5	97.0	97.0	97.1	97.2
100	84.9	89.9	91.2	91.7	93.2	93.3	95.1	96.0	96.4	97.7	98.1	98.1	98.1	98.1	98.3	98.3	98.4	98.6
50	84.9	90.0	91.3	91.8	93.3	93.4	95.2	96.1	96.6	97.8	98.2	98.2	98.2	98.2	98.4	98.4	98.5	98.7
0	84.9	90.0	91.3	91.8	93.3	93.4	95.2	96.2	96.7	97.9	98.3	98.3	98.3	98.3	98.6	98.6	98.7	98.8
1000	85.2	90.3	91.7	92.1	93.7	93.8	95.6	96.6	97.0	98.3	98.8	98.8	98.8	98.8	99.0	99.0	99.1	99.2
900	85.2	90.3	91.7	92.1	93.7	93.8	95.6	96.6	97.0	98.3	98.8	98.8	98.8	98.8	99.0	99.0	99.1	99.2
800	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
700	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
600	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
500	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
400	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
300	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
200	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
100	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3
0	85.2	90.3	91.8	92.2	93.8	93.9	95.7	96.7	97.1	98.4	98.9	98.9	98.9	98.9	99.1	99.1	99.2	99.3

TOTAL NUMBER OF OBSERVATIONS 600

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 SALENA AFS MA STATION NAME

73-82 YEAR

JAP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6999-1199

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0	≥0	≥0	≥0
10000	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
8000	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
6000	60.3	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
4000	62.1	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2000	65.3	66.4	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
1000	69.4	70.3	70.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
800	73.3	74.1	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
600	74.7	75.4	75.4	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
450	77.0	78.1	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
300	77.9	79.0	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
150	81.3	83.4	83.4	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
100	83.7	85.9	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
75	85.7	88.2	88.2	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
50	88.1	90.7	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
25	89.6	92.3	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
15	89.7	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
10	89.7	92.3	92.3	93.6	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
7.5	90.2	92.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
5	90.4	93.1	93.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2.5	90.4	93.1	93.1	94.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
1.5	90.4	93.1	93.1	94.4	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1	90.4	93.1	93.1	94.4	95.2	95.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
0.75	90.4	93.1	93.1	94.4	95.2	95.7	97.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0.5	90.7	93.3	93.3	94.8	94.8	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
0.25	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.4	98.4	98.4	98.4	98.4	98.4
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.4	99.4	99.4	99.4	99.4	99.4
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.4	99.4	99.9	99.9	99.9	99.9
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.4	99.4	100.0	100.0	100.0	100.0
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.4	99.4	100.0	100.0	100.0	100.0
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.4	99.4	100.0	100.0	100.0	100.0
0	90.7	93.3	93.3	94.8	94.8	94.8	95.6	96.0	97.3	98.2	98.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 999

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

220 SALENA AFS AK STATION NAME

73-82 YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1300-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
18000	56.4	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
16000	61.6	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
14000	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
12000	63.3	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
10000	64.2	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
9000	67.0	67.7	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
8000	68.6	69.2	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
7000	72.1	73.0	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
6000	74.2	75.2	75.6	75.8	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
5000	75.7	76.7	77.0	77.3	77.4	77.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
4500	77.6	78.6	78.9	79.3	79.7	79.7	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
4000	78.4	79.4	79.8	80.2	80.6	80.6	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3500	82.1	83.6	84.0	84.6	85.0	85.0	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
3000	84.9	86.6	87.0	87.6	88.1	88.1	88.8	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2800	87.7	88.9	89.3	89.9	90.4	90.6	91.6	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4
2600	89.4	91.3	91.8	92.6	93.1	93.2	94.3	94.9	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2
2400	91.1	93.6	94.0	94.8	95.3	95.4	96.6	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
2200	91.1	93.6	94.0	94.8	95.3	95.4	96.6	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
2000	91.7	94.7	95.1	95.9	96.6	96.7	97.8	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
1800	91.7	94.7	95.1	96.0	96.7	96.8	98.2	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
1600	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
1400	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
1200	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
1000	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
900	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
800	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
700	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
600	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
500	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
400	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
300	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
200	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
100	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0
0	91.7	94.7	95.1	96.0	96.7	96.8	98.4	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 800

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION ID: 220 STATION NAME: SALENA AFS AK YEAR: 73-74

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.01	≥0
20000	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
18000	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
16000	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
14000	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
12000	63.3	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
10000	64.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
8000	67.9	68.8	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
6000	69.3	70.2	70.2	70.2	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
4000	74.0	75.8	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
2000	76.6	78.4	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
1000	77.6	79.4	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
750	79.6	81.7	82.1	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
500	81.1	83.2	83.6	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
250	84.4	86.9	87.3	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
100	87.2	90.0	90.4	90.7	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
75	88.7	92.6	93.0	93.4	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
50	91.0	93.9	94.3	94.8	95.2	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
25	92.1	95.1	95.6	96.0	96.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
15	92.3	95.3	95.8	96.2	96.8	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
10	92.7	95.8	96.3	96.8	97.3	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
7	92.8	95.9	96.4	96.9	97.4	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
5	93.0	96.2	96.8	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
3	93.0	96.2	96.8	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2	93.0	96.2	96.8	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1	93.0	96.2	96.8	97.2	97.8	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 900

CLIMATE CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-82 YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1997-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0	≥0	≥0	≥0
NO CEILING	52.3	52.8	52.4	52.6	52.8	52.6	52.8	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
2-18000	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2-18000 2-6000	60.4	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
2-14000	61.2	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2-14000 2-1000	62.1	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
2-10000	66.7	68.1	68.1	68.1	68.1	68.1	68.1	65.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
2-10000 2-9000	66.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2-9000	72.8	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
2-9000 2-8000	75.3	77.4	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
2-8000	77.1	79.1	79.4	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2-8000 2-7000	79.1	81.3	81.9	81.9	82.3	82.3	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2-7000	79.8	82.0	82.6	82.7	83.1	83.1	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2-7000 2-6000	84.6	87.7	87.7	87.9	88.3	88.3	88.8	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2-6000	87.6	93.2	91.3	91.2	91.8	91.9	92.3	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2-6000 2-5000	89.1	91.9	92.8	93.0	93.6	93.7	94.2	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2-5000	89.8	92.6	93.4	93.7	94.3	94.6	95.2	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2-5000 2-4000	90.9	93.8	94.8	95.1	95.8	96.0	96.8	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2-4000	91.0	93.9	94.9	95.2	95.9	96.1	96.9	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2-4000 2-3000	91.1	94.0	95.0	95.3	96.0	96.2	97.2	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2-3000	91.1	94.0	95.0	95.3	96.1	96.4	97.4	98.6	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2
2-3000 2-2000	91.1	94.0	95.0	95.3	96.1	96.4	97.4	98.6	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6
2-2000	91.1	94.0	95.0	95.4	96.2	96.6	97.6	98.7	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.7
2-2000 2-1000	91.1	94.1	95.1	95.4	96.2	96.7	97.7	98.9	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9
2-1000	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
2-1000 2-500	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
2-500	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
2-500 2-200	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
2-200	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
2-200 2-100	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
2-100	91.1	94.1	95.1	95.4	96.3	96.8	97.8	99.0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 SALENA AFS AK STATION NAME

73-82 YEAR

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

100-2359

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	
NO. CEILING	48.1	54.0	54.1	54.0	54.0	54.0	54.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
2 18000	51.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2 16000	54.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
2 14000	55.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
2 12000	55.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2 10000	59.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2 8000	61.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2 6000	53.8	72.8	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2 4000	66.8	75.9	76.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2 2000	68.1	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2 1500	69.8	79.9	80.1	80.3	80.4	80.4	80.4	80.4	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2
2 1000	70.2	80.6	81.0	81.2	81.3	81.3	81.3	81.3	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1
2 500	73.0	84.8	85.6	86.1	86.6	86.6	86.6	87.2	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6
2 100	74.8	87.2	88.1	88.8	89.0	89.0	89.0	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
2 50	76.2	89.8	90.8	91.7	92.2	92.2	92.2	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2
2 20	77.8	92.0	93.0	94.0	94.9	94.9	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2 10	79.1	94.4	95.4	96.4	97.3	97.4	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 5	79.1	94.4	95.4	96.4	97.3	97.4	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 2	79.2	94.7	95.7	96.7	97.6	97.7	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 1	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.5	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.2	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.1	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.05	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.02	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.01	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.005	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.002	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 0.001	79.2	94.7	95.8	96.8	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 999

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15			
NO CEILING	49.9	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4
2 29000	52.7	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8
2 18000	55.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8
2 6900	56.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
2 14000	57.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4
2 2000	57.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0
2 11000	61.7	65.7	65.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
2 9000	62.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4
2 8000	65.7	71.3	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
2 7000	68.9	74.8	75.3	75.2	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6
2 6000	70.2	76.2	76.5	76.7	76.8	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.3
2 5000	72.3	79.3	79.4	79.6	79.9	80.0	80.3	80.5	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8
2 4500	73.1	79.8	80.3	80.6	80.8	80.9	81.3	81.4	81.5	81.6	81.6	81.6	81.7	81.7	81.8	81.8
2 4000	76.3	84.1	84.6	85.0	85.3	85.4	85.9	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.6	86.6
2 3500	78.5	86.8	87.3	87.7	88.1	88.2	88.7	89.0	89.0	89.3	89.4	89.4	89.4	89.4	89.5	89.5
2 3000	80.1	89.1	89.8	90.3	90.7	90.8	91.5	91.9	91.9	92.3	92.3	92.4	92.4	92.5	92.5	92.5
2 2500	81.5	90.7	91.5	92.0	92.7	92.8	93.6	93.9	94.0	94.3	94.4	94.4	94.5	94.5	94.6	94.6
2 2000	82.7	92.6	93.5	94.1	94.8	95.0	95.8	96.2	96.3	96.7	96.8	96.8	96.9	96.9	97.0	97.0
2 1800	82.8	92.7	93.6	94.3	95.0	95.2	96.0	96.5	96.5	96.9	97.0	97.0	97.1	97.1	97.2	97.2
2 1500	83.1	93.1	94.0	94.7	95.4	95.6	96.5	97.0	97.1	97.5	97.6	97.6	97.7	97.7	97.8	97.8
2 1200	83.2	93.3	94.2	95.0	95.7	96.0	97.0	97.6	97.7	98.2	98.3	98.3	98.4	98.4	98.5	98.5
2 1000	83.3	93.5	94.4	95.2	95.9	96.2	97.3	97.8	98.0	98.6	98.9	98.9	99.1	99.1	99.1	99.1
2 900	83.4	93.5	94.4	95.2	96.0	96.3	97.5	98.0	98.3	98.9	99.2	99.3	99.4	99.4	99.5	99.5
2 800	83.4	93.5	94.5	95.2	96.0	96.3	97.5	98.1	98.4	99.0	99.3	99.4	99.5	99.5	99.6	99.6
2 700	83.4	93.6	94.5	95.3	96.0	96.3	97.6	98.1	98.4	99.1	99.4	99.5	99.6	99.6	99.7	99.7
2 600	83.4	93.6	94.6	95.3	96.1	96.4	97.7	98.2	98.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8
2 500	83.4	93.7	94.6	95.4	96.2	96.5	97.7	98.2	98.5	99.2	99.6	99.6	99.6	99.8	99.9	99.9
2 400	83.5	93.7	94.7	95.4	96.2	96.5	97.7	98.3	98.6	99.3	99.6	99.7	99.9	99.9	100.0	100.0
2 300	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0
2 200	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0
2 100	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0
2 0	83.5	93.7	94.7	95.4	96.2	96.5	97.8	98.3	98.6	99.3	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-222 STATION SALENA AFS AK STATION NAME

73-82 YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200

NO. CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥18000	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥16000	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥14000	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥12000	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥10000	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥8000	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥7000	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥6000	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥5000	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥4500	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥4000	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥3500	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥3000	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥2500	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥2000	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥1800	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥1600	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥1400	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥1200	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥1000	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥900	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥800	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥700	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥600	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥500	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥400	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥300	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥200	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥100	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥0	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION NAME SALENA AFS AK

73-62 YEAR 1958

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0
≥ 20000	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000	53.3	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3
≥ 14000	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5
≥ 10000	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
≥ 9000	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 8000	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0
≥ 7000	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8
≥ 6000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2
≥ 5000	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4
≥ 4500	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6
≥ 4000	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7
≥ 3500	92.5	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4
≥ 3000	94.1	94.8	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3
≥ 2500	95.8	96.6	96.6	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 2000	96.1	96.9	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 1800	96.7	97.4	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 1500	96.7	97.4	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 1200	96.8	97.6	97.8	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 1000	96.8	97.6	97.8	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 900	96.8	97.6	97.8	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 800	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 700	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 600	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 500	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 400	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 300	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 200	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 100	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 50	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 0	96.9	97.7	98.0	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME 73-62 YEARS MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0
NO. CEILING	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
18000	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
16000	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
14000	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
12000	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
10000	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
9000	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
8000	74.0	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
7000	79.5	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
6000	81.7	82.0	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
5000	86.2	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
4500	87.1	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4000	90.9	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
3500	91.9	92.6	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
3000	93.9	94.6	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
2500	94.8	95.7	95.7	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2000	95.4	96.5	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1800	95.8	96.7	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1500	96.2	97.3	97.3	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1200	96.5	97.5	97.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
900	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
800	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
700	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
600	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
500	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
400	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
300	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
200	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
100	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0	96.5	97.5	97.5	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 GALENA AFS AK STATION NAME

73-62 YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1922-1999

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
NO. CEILING ≥20000	49.1	49.0	49.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥18000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥16000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥14000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥12000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥10000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥8000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥6000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥4000	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥2000	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥1000	80.7	80.3	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥500	83.4	83.9	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥250	84.8	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥100	86.5	89.2	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥50	90.5	91.3	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥25	92.1	92.8	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥10	94.2	94.9	95.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥5	95.9	96.7	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥2	96.1	96.8	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥1	96.7	97.4	97.6	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥0.5	97.0	97.7	98.0	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥0.25	97.1	98.1	98.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥0.1	97.3	98.3	98.5	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥0.05	97.3	98.3	98.5	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥0.02	97.4	98.4	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥0.01	97.4	98.4	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥0.005	97.5	98.5	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥0.002	97.5	98.5	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥0.001	97.5	98.5	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥0.0005	97.5	98.5	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥0.0002	97.5	98.5	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥0.0001	97.5	98.5	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20541  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. 7300 STATION NAME SALENA AFS AK YEAR 73-87 DAY 044

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	22	21	21	20	20	19	19	18	18	17
20000	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
18000	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
16000	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
14000	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
12000	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
10000	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
9000	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
8000	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
7000	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
6000	69.6	69.6	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
5000	77.0	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4500	78.5	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
4000	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
3500	91.0	91.0	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
3000	93.9	93.9	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2500	96.5	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
2000	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1500	97.3	97.3	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	97.5	97.5	97.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
700	98.1	98.1	98.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
600	98.1	98.1	98.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	98.1	98.1	98.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
300	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
200	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	98.2	98.2	98.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-222- SALENA AFS AM STATION NAME 73-62 YEAR 1964

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATE MILES															
	210	20	25	24	23	22	27	21	214	21	24	21	2	25	24	20
NO. CEILING	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
20000	45.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
218000	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
228000	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
234000	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
240000	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
250000	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
260000	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
270000	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
280000	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
290000	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
4500	78.7	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
7200	87.2	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
15000	92.6	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
20000	95.5	96.0	96.1	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
25000	96.9	97.5	97.6	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
30000	98.2	98.8	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
35000	98.3	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
40000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
45000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
55000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
60000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
65000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
70000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
75000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
80000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
85000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
90000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
95000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100000	98.6	99.5	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220

WLENA AFS AK STATION NAME

73-82

MAY

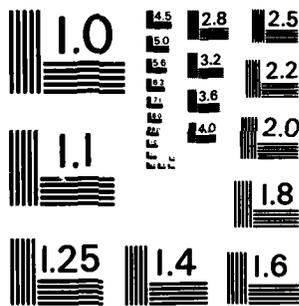
## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	30	26	25	24	23	22	22	20	20	18	18	16	16	14	14	12
10000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
8000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
6000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
4000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
2000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
1000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
500	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
200	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
100	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
50	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
25	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
15	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
10	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.0	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220 STATION NAME GALENA AFS AK YEAR 73-82 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
18000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
16000	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
14000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
12000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
10000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
9000	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
8000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
7000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
6000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
5000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
4500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
4000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
3500	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
3000	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2500	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2000	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1800	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1200	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1000	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
400	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-22C STATION NAME GALENA AFS AK 73-82 YEARS MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MO ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 16000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 12000	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 8000	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 5000	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	90.4	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500	93.3	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3000	95.2	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	96.4	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	97.3	98.0	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	97.4	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	97.4	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	97.8	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	97.8	98.7	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	97.9	98.8	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 7448

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-220 GALENA AFS AK STATION NAME

73-62 YEARS

JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
18000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
16000	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
14000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
12000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
10000	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
9000	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
8000	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
7000	68.0	68.0	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
6000	71.6	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
5000	79.8	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
4500	82.2	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
4000	88.6	89.3	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3500	92.9	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
3000	95.0	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2500	95.8	96.7	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2000	96.9	97.8	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
1800	97.1	98.0	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	97.3	98.6	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	97.6	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	97.6	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	97.6	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	97.7	98.9	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	97.7	98.9	99.1	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.8	99.0	99.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220

GALENA AFS AK

STATION NAME

73-82

YEARS

1944

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.4	≥.25	≥.2	≥0	
NO CEILING	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
18000	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
16000	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
14000	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
12000	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
10000	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
9000	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
8000	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
7000	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
6000	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
5000	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
4500	73.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4000	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
3500	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
3000	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2500	93.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2000	94.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
1800	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1600	96.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1400	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1200	97.2	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1000	97.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
900	97.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
800	97.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
700	97.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
600	97.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
500	97.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
400	97.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	97.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	97.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	97.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	97.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220 GALENA AFS AK STATION NAME

73-82 YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0622-3888

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥20000	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
18000	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
16000	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
14000	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
12000	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
10000	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
9000	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
8000	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
7000	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
6000	70.8	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
5000	76.9	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
4500	78.4	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
4000	83.9	84.3	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
3500	88.1	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
3000	92.6	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2500	93.4	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
2000	95.6	96.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1800	95.9	96.9	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1500	96.3	97.8	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1200	97.3	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
900	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
800	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
700	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
600	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
400	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
200	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
100	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	97.3	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220

GALENA AFS AK STATION NAME

73-82 YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.4	≥.4	≥.4	≥.4	≥.4
NO CEILING	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 20000	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
18000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
16000	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
14000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
12000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
10000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
9000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
8000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
7000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
6000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
5000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
4500	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
4000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
3500	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
3000	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	93.2	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2000	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	96.7	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1500	97.6	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1200	97.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1000	98.0	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	98.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	98.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	98.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2220  
STATION

GALENA AFS AK  
STATION NAME

73-82  
YEARS

1200-1400  
PERIOD

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
18000	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
16000	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
14000	40.7	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
12000	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
10000	45.4	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
9000	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
8000	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
7000	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
6000	60.8	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
5000	65.4	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
4500	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
4000	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
3500	86.9	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
3000	92.2	92.8	92.8	92.8	92.8	92.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2500	95.8	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2000	97.7	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1800	97.7	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1500	98.0	98.4	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	98.4	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	98.8	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	98.4	99.3	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	98.4	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.4	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.4	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.4	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.4	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.4	99.4	99.4	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME 73-82 YEARS 1530-1730

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	≥0
NO CEILING	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
20000	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
18000	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
16000	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
14000	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
12000	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
10000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
9000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
8000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
7000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
6000	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
5000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
4500	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
4000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
3500	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2500	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2000	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1800	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1500	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1200	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
900	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 998

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

7 1220

GALENA AFS AK STATION NAME

73-82 YEAR

1960 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 0	≥ 0
NO CEILING	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
20000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
18000	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
16000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
14000	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
12000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
10000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
9000	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
8000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
7000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
6000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
5000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
4500	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3500	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
3000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1200	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
900	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
800	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
700	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

71220 GALENA AFS AK STATION NAME

73-62 YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2180-2390

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
IV 20000	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 18000	44.8	44.8	44.8	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 16000	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 14000	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 12000	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 10000	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 9000	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 8000	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 7000	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4000	90.7	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3500	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 3000	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 2500	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2000	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION GALENA AFS AK STATION NAME 73-62 YEAR MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	
NO CEILING	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 18000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8
≥ 16000	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 14000	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.1	43.1
≥ 12000	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 10000	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 8000	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0
≥ 6000	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4000	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	90.4	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3000	94.0	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
≥ 2500	95.6	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	97.3	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	97.4	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	97.8	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	98.1	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	98.3	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	98.3	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	98.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	98.3	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	98.3	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	98.4	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73-220 GALENA AFS AK STATION NAME

73-82 YEAR

MM

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

5000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	39.4	40.3	40.2	40.3	40.3	40.3	40.5	40.8	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	45.4	46.3	46.3	46.3	46.7	46.7	46.9	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	46.1	46.8	47.0	47.1	47.4	47.4	47.6	47.8	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000	46.7	47.3	47.5	47.6	48.0	48.0	48.2	48.4	48.4	48.5	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000	47.4	48.1	48.3	48.4	48.7	48.7	48.9	49.1	49.1	49.2	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	51.9	52.4	52.9	52.9	53.2	53.2	53.4	53.6	53.8	53.9	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	54.6	55.3	55.5	55.6	55.9	55.9	56.1	56.5	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	62.4	63.0	63.2	63.3	63.7	63.7	63.9	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	67.3	68.0	68.2	68.3	68.6	68.6	68.8	69.1	69.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5
≥ 6000	70.2	70.9	71.1	71.2	71.5	71.5	71.7	72.0	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	78.3	79.1	79.4	79.5	79.8	79.8	80.0	80.3	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	79.4	80.3	80.5	80.6	81.0	81.0	81.2	81.5	81.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4000	84.3	85.4	85.6	85.7	86.0	86.0	86.2	86.6	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	87.8	89.0	89.2	89.4	89.7	89.7	89.9	90.2	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5
≥ 3000	90.4	91.7	91.9	92.0	92.4	92.4	92.6	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	92.5	93.8	94.0	94.1	94.4	94.4	94.6	94.9	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	94.2	95.6	95.8	95.9	96.2	96.2	96.6	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1800	94.5	96.0	96.2	96.3	96.7	96.7	96.9	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1600	94.8	96.7	96.9	97.0	97.3	97.3	97.5	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1400	95.5	97.3	97.6	98.0	98.3	98.3	98.5	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	95.6	97.5	97.8	98.2	98.5	98.5	98.7	99.0	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	95.9	97.8	98.2	98.5	98.8	98.8	99.0	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 50	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.0	98.0	98.3	98.6	98.9	98.9	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
A1- WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION SALENA AFS AK STATION NAME

73-82 YEARS

JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0322-3500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	35.1	35.5	35.7	35.9	35.9	35.9	36.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	40.6	41.2	41.4	41.6	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	42.2	42.8	43.0	43.2	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 16000	42.2	42.8	43.0	43.2	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 14000	42.9	43.4	43.7	43.9	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 12000	43.3	44.5	44.7	44.9	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	47.8	48.5	48.7	48.9	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 9000	49.6	50.2	50.4	50.6	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000	57.8	58.5	58.7	58.9	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	64.4	65.1	65.3	65.5	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 6000	66.9	67.6	67.8	68.1	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	75.6	76.5	76.8	77.1	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	77.7	78.6	78.9	79.1	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4000	83.2	84.1	84.4	84.6	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	85.8	87.4	87.7	88.0	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	87.8	89.6	89.9	90.1	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	89.8	91.7	92.2	92.4	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	91.8	94.7	94.4	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	92.5	94.6	95.1	95.3	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	93.7	95.9	96.3	96.6	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	94.4	96.7	97.1	97.3	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	94.7	97.1	97.5	97.7	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	94.7	97.2	97.7	98.0	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	94.9	97.4	98.1	98.2	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	94.9	97.4	98.1	98.2	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	94.9	97.4	98.1	98.2	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	95.1	97.5	98.1	98.3	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	95.4	97.8	98.5	98.7	99.2	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION NO. GALENA AFS AK STATION NAME

73-82 YEARS

1960-1969

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1969

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.7	≥.6	≥.5	≥.4	
NO CEILING	33.5	34.1	34.1	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.2	34.3	34.5	34.5	34.5	34.5
≥20000	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥18000	41.0	41.4	41.4	41.6	41.6	41.6	41.7	41.7	41.7	41.7	42.2	42.3	42.5	42.5	42.5	42.5
≥16000	41.1	41.5	41.5	41.7	41.7	41.7	41.8	41.8	41.8	41.8	42.3	42.4	42.6	42.6	42.6	42.6
≥14000	41.6	42.0	42.0	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.8	42.9	43.1	43.1	43.1	43.1
≥12000	43.0	43.4	43.4	43.8	43.8	43.8	43.9	43.9	43.9	44.3	44.4	44.6	44.6	44.6	44.6	44.6
≥10000	46.3	46.9	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.6	47.7	48.0	48.0	48.0	48.0	48.0
≥9000	47.7	48.2	48.2	48.5	48.5	48.5	48.6	48.6	48.6	49.0	49.1	49.4	49.4	49.4	49.4	49.4
≥8000	55.8	56.3	56.3	56.8	56.8	56.8	56.9	56.9	56.9	57.3	57.4	57.6	57.6	57.6	57.6	57.6
≥7000	64.6	65.2	65.2	65.6	65.6	65.6	65.7	65.7	65.7	66.1	66.2	66.5	66.5	66.5	66.5	66.5
≥6000	67.1	67.6	67.6	68.1	68.1	68.1	68.2	68.2	68.2	68.6	68.7	68.9	68.9	68.9	68.9	68.9
≥5000	73.1	73.9	74.0	74.3	74.3	74.3	74.4	74.4	74.4	74.8	74.9	75.2	75.2	75.2	75.2	75.2
≥4500	75.6	76.1	76.2	76.6	76.6	76.6	76.7	76.7	76.7	77.1	77.2	77.4	77.4	77.4	77.4	77.4
≥4000	79.5	80.1	80.1	80.5	80.5	80.5	80.6	80.6	80.6	81.1	81.2	81.4	81.4	81.4	81.4	81.4
≥3500	82.5	83.4	83.5	84.0	84.1	84.1	84.2	84.2	84.2	84.6	84.7	84.9	84.9	84.9	84.9	84.9
≥3000	84.4	85.5	85.6	86.0	86.1	86.1	86.2	86.2	86.2	86.7	86.8	87.0	87.0	87.0	87.0	87.0
≥2500	87.5	89.1	89.4	89.8	89.9	89.9	90.0	90.0	90.0	90.4	90.5	90.8	90.8	90.8	90.8	90.8
≥2000	89.8	91.6	91.8	92.1	92.4	92.4	92.5	92.5	92.5	92.9	93.0	93.2	93.2	93.2	93.2	93.2
≥1800	90.1	92.0	92.3	92.7	92.8	92.8	92.9	92.9	92.9	93.3	93.4	93.7	93.7	93.7	93.7	93.7
≥1500	91.2	93.4	93.7	94.2	94.3	94.3	94.5	94.5	94.5	94.9	95.1	95.3	95.3	95.3	95.3	95.3
≥1000	92.4	94.7	94.9	95.5	95.7	95.7	95.9	95.9	95.9	96.3	96.5	96.7	96.7	96.7	96.7	96.7
≥900	92.8	95.2	95.4	95.9	96.1	96.1	96.3	96.3	96.3	96.8	96.9	97.1	97.1	97.1	97.1	97.1
≥800	93.1	95.6	95.9	96.5	96.8	96.8	97.0	97.0	97.0	97.4	97.5	97.7	97.7	97.7	97.7	97.7
≥700	93.1	95.8	96.1	96.7	97.0	97.0	97.2	97.2	97.2	97.6	97.7	98.0	98.0	98.0	98.0	98.0
≥600	93.8	96.3	96.7	97.2	97.5	97.5	97.7	97.7	97.7	98.2	98.3	98.5	98.5	98.5	98.5	98.5
≥500	94.0	96.8	97.1	97.6	98.1	98.2	98.4	98.4	98.4	98.8	98.9	99.1	99.1	99.1	99.1	99.1
≥400	94.0	96.8	97.2	97.7	98.2	98.3	98.6	98.6	98.6	99.0	99.1	99.4	99.4	99.4	99.4	99.4
≥300	94.1	97.1	97.5	98.1	98.5	98.6	99.0	99.1	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9
≥200	94.1	97.1	97.5	98.1	98.5	98.6	99.0	99.1	99.1	99.6	99.7	99.9	100.0	100.0	100.0	100.0
≥100	94.1	97.1	97.5	98.1	98.5	98.6	99.0	99.1	99.1	99.6	99.7	99.9	100.0	100.0	100.0	100.0
≥50	94.1	97.1	97.5	98.1	98.5	98.6	99.0	99.1	99.1	99.6	99.7	99.9	100.0	100.0	100.0	100.0
≥20	94.1	97.1	97.5	98.1	98.5	98.6	99.0	99.1	99.1	99.6	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 220 SALENA AFS AK STATION NAME

73-62 YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

~~5288~~ 1199

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
1000	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.8	35.8	35.8	35.8	35.8	35.8	35.8
800	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8
600	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.6	41.9	41.9	41.9	41.9	41.9	41.9
400	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.9	42.3	42.3	42.3	42.3	42.3	42.3
200	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.8	43.1	43.1	43.1	43.1	43.1	43.1
100	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	45.3	45.6	45.6	45.6	45.6	45.6	45.6
50	48.7	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.5	49.8	49.8	49.8	49.8	49.8	49.8
30	50.2	50.3	50.3	50.6	50.6	50.6	50.6	50.6	50.6	51.0	51.3	51.3	51.3	51.3	51.3	51.3
15	56.3	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4
10	61.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6
5	63.4	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.6	64.6	64.6	64.6	64.6	64.6
3	69.8	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.6	71.0	71.0	71.0	71.0	71.0	71.0
2	71.1	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.4	72.4	72.4	72.4	72.4	72.4
1	75.9	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	77.0	77.3	77.3	77.3	77.3	77.3	77.3
0	81.3	81.8	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9
0	85.1	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.6	86.9	86.9	86.9	86.9	86.9	86.9
0	88.1	88.7	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.5	89.8	89.8	89.8	89.8	89.8	89.8
0	91.8	92.8	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.1
0	92.4	93.3	93.4	93.8	93.9	93.9	93.9	93.9	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.6
0	93.4	94.8	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.1
0	94.5	96.1	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.7
0	95.2	96.8	96.9	97.4	97.6	97.6	97.6	97.6	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.4
0	95.2	96.8	96.9	97.5	97.7	97.7	97.7	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.5
0	95.1	97.0	97.3	98.0	98.2	98.2	98.2	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.9
0	95.6	97.3	97.6	98.3	98.5	98.5	98.5	98.5	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.2
0	95.7	97.7	98.1	98.7	98.9	98.9	98.9	98.9	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.7
0	95.9	98.0	98.3	98.9	99.1	99.1	99.1	99.1	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.9
0	96.0	98.1	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0
0	96.0	98.1	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0
0	96.0	98.1	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION SALENA AFS AK STATION NAME 73-82 YEARS 1981

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0	≥0
NO CEILING ≥ 20000	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5
M 18000 M 16000	38.4	38.4	38.5	38.5	38.5	38.5	38.6	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8
M 14000 M 12000	40.3	40.3	40.4	40.4	40.4	40.4	40.5	40.6	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0
M 10000 M 9000	40.2	40.2	40.9	40.9	40.9	40.9	41.0	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4
M 8000 M 7000	41.2	41.2	41.3	41.4	41.5	41.5	41.6	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0
M 6000 M 5000	43.8	43.8	43.9	44.3	44.2	44.2	44.3	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7
M 4500 M 4000	47.6	47.6	47.7	47.8	48.1	48.1	48.2	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6
M 3500 M 3000	50.4	50.4	50.5	50.6	50.9	50.9	51.0	51.1	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4
M 2500 M 2000	54.4	54.4	54.5	54.6	54.8	54.8	54.9	55.1	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4
M 1800 M 1600	58.9	58.9	59.1	59.1	59.4	59.4	59.5	59.6	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9
M 1400 M 1200	60.3	60.3	60.5	60.6	60.9	60.9	61.0	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4
M 1000 M 900	66.9	66.9	67.1	67.2	67.4	67.4	67.5	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0
M 800 M 700	68.2	68.3	68.5	68.6	68.8	68.8	68.9	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4
M 600 M 500	74.9	75.2	75.4	75.5	75.7	75.8	75.9	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3
M 400 M 300	82.3	82.6	82.8	82.9	83.1	83.2	83.3	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8
M 250 M 200	87.1	87.4	87.7	87.8	88.1	88.3	88.4	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8
M 180 M 160	89.8	90.2	90.5	90.6	90.9	91.1	91.2	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
M 140 M 120	93.5	94.6	94.9	95.1	95.4	95.6	95.7	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
M 100 M 90	93.8	94.8	95.2	95.3	95.6	95.8	95.9	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
M 80 M 70	94.7	96.2	96.8	96.9	97.2	97.4	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
M 60 M 50	95.4	97.6	98.2	98.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
M 40 M 30	95.4	97.6	98.2	98.3	98.6	98.8	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
M 20 M 10	95.5	97.8	98.4	98.5	98.8	99.0	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
M 0 M 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 0 M 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 0 M 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
M 0 M 0	95.5	98.0	98.5	98.6	98.9	99.1	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 938

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AT: WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 SALENA AFS AK STATION NAME

73-82 YEAR

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1502-1798

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
20000	31.1	31.2	31.4	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
8000	40.1	40.3	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
6000	40.3	41.0	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
4000	41.4	41.6	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
2000	43.2	43.4	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
1000	47.5	47.7	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
800	49.1	49.4	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
700	54.7	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
6000	63.4	63.9	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
5000	67.6	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
4500	68.5	68.9	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
4000	76.8	77.2	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
3500	84.6	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
3000	88.4	89.2	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2500	91.5	92.5	93.0	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000	94.0	95.3	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
800	94.4	95.7	96.2	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
1500	95.5	97.1	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1200	95.8	97.5	98.2	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
900	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
800	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
700	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
600	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
500	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
400	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
300	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
200	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
100	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	96.1	98.0	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-82 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

~~1880-2099~~

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING																
≥ 20000	37.3	37.7	38.1	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2
18000	43.4	44.2	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6
16000	46.7	47.1	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5
14000	47.7	47.8	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0
12000	49.0	48.2	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
10000	53.1	53.5	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0
8000	62.0	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
6000	66.9	67.3	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7
5000	71.2	71.5	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
4500	75.2	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
4000	76.7	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6
3500	84.4	84.9	85.3	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
3000	89.1	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
2500	91.6	92.4	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
2000	94.1	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
1800	96.3	97.1	97.3	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
1500	96.3	97.1	97.3	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
1200	96.6	97.4	97.8	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
1000	97.0	98.2	98.6	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
900	97.1	98.3	98.7	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
800	97.2	98.4	98.8	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
700	97.2	98.4	98.8	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
600	97.2	98.5	98.9	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
500	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
400	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
300	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
200	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
100	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0	97.2	98.6	99.0	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 938

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220 GALENA AFS AK STATION NAME

73-82 YEAR

MM

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2137-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	40.8	41.6	41.6	41.7	41.7	41.7	41.8	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2
20000	46.3	47.3	47.3	47.3	47.3	47.3	47.3	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7
8000	48.4	49.2	49.2	49.3	49.3	49.3	49.4	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8
6000	48.7	49.4	49.4	49.5	49.5	49.5	49.6	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1
4000	49.3	49.7	49.7	49.8	49.8	49.8	49.9	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4
2000	51.2	52.0	52.0	52.1	52.1	52.1	52.2	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6
1500	55.3	56.5	56.5	56.6	56.6	56.6	56.7	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
900	57.5	58.2	58.2	58.3	58.3	58.3	58.4	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
8000	64.5	65.3	65.3	65.4	65.4	65.4	65.6	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
7000	69.4	70.3	70.3	70.4	70.4	70.4	70.5	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
6000	71.4	72.7	72.7	72.8	72.8	72.8	72.9	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
5000	76.4	79.2	79.2	79.3	79.3	79.3	79.4	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
4500	80.0	81.1	81.1	81.2	81.2	81.2	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
4000	85.4	86.4	86.4	86.5	86.5	86.5	86.7	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
3500	90.2	91.4	91.4	91.5	91.5	91.5	91.6	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
3000	92.7	94.1	94.1	94.1	94.2	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
2500	94.8	96.1	96.1	96.2	96.3	96.3	96.4	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
2000	96.2	97.5	97.5	97.6	97.7	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
800	96.2	97.5	97.5	97.6	97.7	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
500	96.6	97.8	97.8	98.0	98.2	98.2	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
200	97.0	98.4	98.6	98.8	99.1	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
1000	97.2	98.6	98.8	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
900	97.2	98.6	98.8	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
800	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
700	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
600	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
500	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
400	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
300	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
200	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
100	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	97.2	98.6	98.8	99.1	99.5	99.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

NO. ALL

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	
NO CEILING	35.6	35.9	36.1	36.1	36.1	36.1	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.5	36.5
≥ 20000	41.5	41.9	42.1	42.1	42.2	42.2	42.3	42.3	42.3	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 18000	43.2	43.6	43.8	43.8	43.9	43.9	44.0	44.1	44.1	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4
≥ 6000	43.9	43.9	44.0	44.1	44.2	44.2	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.7
≥ 14000	44.1	44.5	44.6	44.7	44.8	44.8	44.9	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3
≥ 2000	45.6	46.2	46.4	46.5	46.6	46.6	46.7	46.8	46.8	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	49.9	50.3	50.4	50.5	50.7	50.7	50.8	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2
≥ 9000	51.9	52.3	52.4	52.6	52.7	52.7	52.8	52.9	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	58.5	58.9	59.1	59.2	59.3	59.3	59.4	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥ 7000	64.2	64.7	64.8	65.0	65.1	65.1	65.2	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6
≥ 6000	66.8	67.3	67.4	67.6	67.7	67.7	67.8	67.9	67.9	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	73.1	73.7	73.8	74.0	74.1	74.1	74.2	74.3	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	74.6	75.2	75.4	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4000	80.6	81.2	81.4	81.5	81.7	81.7	81.8	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2
≥ 3500	85.3	86.2	86.4	86.5	86.7	86.7	86.8	86.9	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	88.5	89.4	89.7	89.9	90.0	90.0	90.1	90.2	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	91.0	92.1	92.4	92.6	92.7	92.6	92.9	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3
≥ 2000	93.8	94.8	95.1	95.3	95.4	95.5	95.6	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	93.8	95.1	95.4	95.6	95.8	95.8	95.9	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 1500	94.6	96.2	96.5	96.7	96.9	96.9	97.1	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 1200	95.2	97.1	97.4	97.7	98.0	98.1	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 1000	95.8	97.4	97.7	98.0	98.3	98.4	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 900	95.6	97.4	97.8	98.1	98.4	98.5	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 800	95.4	97.6	98.0	98.3	98.6	98.7	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 700	95.7	97.7	98.2	98.5	98.8	98.8	99.0	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5
≥ 600	95.8	97.8	98.3	98.6	99.0	99.0	99.2	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 500	95.9	97.9	98.4	98.7	99.0	99.1	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 400	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	96.0	98.1	98.5	98.8	99.2	99.2	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION GALENA AFS AK STATION NAME 73-62 YEAR 1966

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-9200

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2	
NO CEILING	34.7	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.1	41.2	41.2	41.2	41.3	41.3
≥ 18000	37.5	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.6	45.6	45.6	45.7	45.7
≥ 16000	38.2	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.3	46.3	46.3	46.5	46.5
≥ 14000	38.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.7	46.8	46.8	46.8	46.9	46.9
≥ 12000	39.1	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.6	47.6	47.6	47.7	47.7
≥ 10000	42.9	52.2	52.2	52.2	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.7	52.7	52.7	52.8	52.8
≥ 9500	44.1	53.4	53.5	53.5	53.5	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.1	54.1	54.1	54.2	54.2
≥ 8000	50.5	60.8	60.9	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.4	61.4	61.4	61.5	61.5
≥ 7000	55.4	66.6	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.2	67.2	67.2	67.3	67.3
≥ 6000	58.0	70.1	70.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.8	70.9	70.9	71.0	71.0
≥ 5000	63.5	77.6	77.7	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.5	78.5	78.5	78.6	78.6
≥ 4500	65.8	80.2	80.3	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.1	81.1	81.1	81.2	81.2
≥ 4000	71.4	86.9	87.0	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.7	87.7	87.7	87.8	87.8
≥ 3500	74.4	91.3	91.2	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.8	91.9	91.9	91.9	92.0	92.0
≥ 3000	75.2	92.8	93.1	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.8	93.9	93.9	93.9	94.0	94.0
≥ 2500	75.7	94.1	94.5	94.6	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.4	95.4	95.4	95.5	95.5
≥ 2000	76.3	95.4	95.9	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.0
≥ 800	76.5	96.0	96.6	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.5	97.5	97.5	97.6	97.6
≥ 500	77.0	97.2	98.0	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.9	98.9	98.9	99.0	99.0
≥ 200	77.0	97.4	98.2	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.2	99.2
≥ 1000	77.0	97.5	98.3	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.4	99.4
≥ 900	77.1	97.6	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
≥ 800	77.1	97.6	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
≥ 700	77.1	97.6	98.5	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.6
≥ 600	77.1	97.7	98.6	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.6	99.6	99.6	99.7	99.7
≥ 500	77.1	97.8	98.7	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.8	99.8
≥ 400	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 300	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 200	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 100	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0
≥ 0	77.1	98.1	98.9	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2000 GALENA AFS AK STATION NAME 73-82 YEAR 1986

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0308-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.9	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.2	34.3	34.4	34.4	34.7	34.7
≥ 2000	37.0	39.3	39.3	39.4	39.5	39.5	39.6	39.6	39.7	39.7	39.7	39.8	40.0	40.0	40.3	40.3
≥ 1800	38.5	40.9	40.9	41.0	41.1	41.1	41.2	41.2	41.3	41.3	41.3	41.3	41.4	41.7	41.7	41.9
≥ 1600	38.5	40.9	40.9	41.0	41.1	41.1	41.2	41.2	41.3	41.3	41.3	41.3	41.4	41.7	41.7	41.9
≥ 1400	38.9	41.3	41.3	41.6	41.7	41.7	41.8	41.8	41.9	42.0	42.0	42.1	42.3	42.3	42.5	42.5
≥ 1200	39.9	42.4	42.4	42.6	42.7	42.7	42.8	42.8	42.9	43.1	43.1	43.2	43.4	43.4	43.6	43.6
≥ 1000	44.0	46.8	46.8	47.0	47.1	47.1	47.3	47.3	47.4	47.5	47.5	47.6	47.8	47.8	48.0	48.0
≥ 800	45.1	47.9	47.9	48.1	48.4	48.4	48.5	48.5	48.7	48.8	48.8	48.9	49.1	49.1	49.3	49.3
≥ 700	51.0	54.0	54.0	54.3	54.6	54.6	54.7	54.7	54.8	54.9	54.9	55.0	55.2	55.2	55.4	55.4
≥ 600	56.9	60.1	60.1	60.5	60.8	60.8	60.9	61.0	61.1	61.4	61.4	61.5	61.7	61.7	61.9	62.0
≥ 500	59.5	63.2	63.2	63.7	64.0	64.0	64.2	64.3	64.4	64.6	64.6	64.7	64.9	64.9	65.1	65.2
≥ 450	66.1	70.8	70.8	71.7	72.0	72.1	72.3	72.6	72.7	72.9	72.9	73.0	73.2	73.2	73.4	73.5
≥ 400	69.6	74.5	74.5	75.3	75.7	75.8	76.0	76.2	76.3	76.5	76.5	76.6	76.9	76.9	77.1	77.2
≥ 350	75.9	81.5	81.5	82.3	82.8	83.0	83.3	83.5	83.6	83.9	83.9	84.0	84.2	84.2	84.4	84.5
≥ 300	80.4	86.4	86.4	87.4	87.8	88.1	88.4	88.6	88.7	88.9	88.9	89.0	89.2	89.2	89.5	89.6
≥ 250	82.7	89.3	89.3	90.3	90.7	91.0	91.3	91.5	91.6	91.8	91.8	91.9	92.1	92.1	92.4	92.5
≥ 200	84.4	91.6	91.6	92.6	93.0	93.2	93.5	93.8	93.9	94.1	94.1	94.2	94.4	94.4	94.6	94.7
≥ 180	86.1	93.8	93.8	94.7	95.3	95.5	95.8	96.1	96.2	96.4	96.4	96.6	96.8	96.8	97.0	97.1
≥ 150	86.3	94.0	94.0	94.9	95.5	95.7	96.1	96.3	96.4	96.7	96.7	96.8	97.0	97.0	97.2	97.3
≥ 120	86.8	94.5	94.5	95.6	96.1	96.3	96.8	97.0	97.1	97.3	97.3	97.4	97.6	97.6	97.8	98.0
≥ 100	86.8	94.6	94.6	95.8	96.3	96.6	97.0	97.2	97.4	97.5	97.6	97.8	98.0	98.0	98.2	98.3
≥ 90	86.8	94.6	94.6	95.9	96.4	96.8	97.2	97.4	97.5	97.8	97.8	98.0	98.2	98.2	98.4	98.5
≥ 80	86.9	94.7	94.7	96.0	96.7	96.9	97.3	97.5	97.6	98.0	98.0	98.1	98.3	98.3	98.5	98.6
≥ 70	86.9	94.7	94.7	96.1	96.8	97.0	97.4	97.6	97.7	98.1	98.1	98.2	98.4	98.4	98.6	98.7
≥ 60	87.0	94.8	95.2	96.3	97.0	97.2	97.6	97.8	98.1	98.4	98.4	98.5	98.7	98.7	98.9	99.0
≥ 50	87.0	94.8	95.2	96.3	97.0	97.2	97.6	97.8	98.1	98.4	98.4	98.5	98.7	98.7	98.9	99.1
≥ 40	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	99.5
≥ 30	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	99.6
≥ 20	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	99.9
≥ 10	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	100.0
≥ 5	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	100.0
≥ 1	87.0	95.2	95.5	96.7	97.3	97.5	98.0	98.2	98.4	98.7	98.7	98.8	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 028

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

7 225 GALENA AFS AK STATION NAME

73-82 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

4632-6898

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	30.8	31.0	31.1	31.2	31.3	31.4	31.6	31.7	31.7	31.7	32.0	32.0	32.0	32.3	32.7	32.8
≥ 2000	36.0	36.2	36.3	36.6	36.8	36.9	37.1	37.2	37.2	37.3	37.6	37.6	37.6	37.8	38.1	38.4
≥ 1800	37.5	37.8	38.0	38.2	38.4	38.5	38.7	38.8	38.8	38.9	39.2	39.2	39.2	39.5	39.9	40.0
≥ 1600	37.7	38.1	38.2	38.4	38.6	38.7	38.9	39.0	39.0	39.1	39.5	39.5	39.5	39.7	40.1	40.2
≥ 1400	38.2	38.5	38.6	38.8	39.0	39.1	39.4	39.5	39.5	39.6	39.9	39.9	39.9	40.1	40.5	40.6
≥ 1200	40.1	40.4	40.5	40.8	41.0	41.1	41.3	41.4	41.4	41.5	41.8	41.8	41.8	42.0	42.5	42.6
≥ 1000	44.7	45.1	45.3	45.5	45.7	45.8	46.0	46.1	46.1	46.2	46.6	46.6	46.6	46.8	47.2	47.3
≥ 900	45.9	46.2	46.5	46.8	47.0	47.2	47.4	47.5	47.5	47.6	48.0	48.0	48.0	48.2	48.6	48.8
≥ 800	52.4	53.1	53.3	53.7	53.9	54.1	54.3	54.4	54.4	54.5	54.8	54.8	54.8	55.1	55.5	55.7
≥ 700	59.5	59.8	60.1	60.4	60.6	60.9	61.1	61.3	61.3	61.4	61.8	61.8	61.8	62.1	62.5	62.7
≥ 600	62.9	63.2	63.5	64.0	64.2	64.4	64.6	64.8	64.8	64.9	65.4	65.4	65.4	65.6	66.0	66.2
≥ 500	71.3	71.7	72.2	72.7	73.0	73.2	73.4	73.8	73.8	74.0	74.4	74.4	74.4	74.6	75.1	75.3
≥ 450	73.9	74.3	74.7	75.3	75.8	76.0	76.2	76.6	76.6	76.8	77.2	77.2	77.2	77.4	77.8	78.1
≥ 400	81.0	81.5	81.9	82.5	83.1	83.3	83.7	84.0	84.0	84.2	84.6	84.6	84.6	84.8	85.3	85.5
≥ 350	85.2	85.7	86.1	86.7	87.3	87.5	87.8	88.2	88.2	88.4	88.8	88.8	88.8	89.0	89.5	89.7
≥ 300	86.9	87.4	87.8	88.4	89.0	89.2	89.6	89.9	89.9	90.1	90.5	90.5	90.5	90.8	91.2	91.4
≥ 250	88.3	88.9	89.4	89.9	90.5	90.8	91.1	91.4	91.4	91.6	92.0	92.0	92.0	92.3	92.7	92.9
≥ 200	90.5	91.4	91.9	92.5	93.1	93.3	93.7	94.0	94.0	94.2	94.6	94.6	94.6	94.8	95.3	95.5
≥ 180	90.8	91.7	92.3	92.8	93.4	93.7	94.0	94.3	94.3	94.5	94.9	94.9	94.9	95.2	95.6	95.8
≥ 150	91.8	92.8	93.3	93.9	94.5	94.7	95.1	95.4	95.4	95.6	96.0	96.0	96.0	96.2	96.7	96.9
≥ 120	92.3	93.3	93.9	94.4	95.2	95.4	95.7	96.0	96.0	96.2	96.7	96.7	96.7	96.9	97.3	97.5
≥ 100	92.5	93.7	94.2	94.7	95.5	95.7	96.1	96.5	96.5	96.8	97.2	97.2	97.2	97.4	98.0	98.3
≥ 90	92.6	93.8	94.3	94.8	95.6	95.8	96.2	96.6	96.6	96.9	97.3	97.3	97.3	97.5	98.1	98.4
≥ 80	92.6	93.8	94.3	94.8	95.6	95.8	96.2	96.6	96.6	96.9	97.3	97.3	97.3	97.5	98.1	98.4
≥ 70	92.8	94.0	94.5	95.1	95.8	96.0	96.5	96.8	96.8	97.2	97.6	97.6	97.6	97.8	98.4	98.7
≥ 60	92.8	94.0	94.5	95.1	95.8	96.0	96.5	96.8	96.8	97.2	97.6	97.6	97.6	97.8	98.4	98.7
≥ 50	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	97.8	98.4	98.4	98.5	98.7	99.2	99.6
≥ 40	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.4	99.7
≥ 30	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.5	99.9
≥ 20	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.5	99.9
≥ 10	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.5	100.0
≥ 0	92.8	94.3	94.8	95.4	96.2	96.5	96.9	97.2	97.2	98.0	98.5	98.5	98.6	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 4632

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-223 SALENA AFS AK STATION NAME

73-82 YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9839-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	31.9	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.7	32.3	32.3	32.4	32.4	32.4	32.4	32.4
≥ 20000	36.7	39.0	39.1	39.1	39.1	39.1	39.1	39.4	39.4	39.5	39.5	39.6	39.6	39.6	39.6	39.6
≥ 18000	40.2	40.5	40.6	40.6	40.6	40.6	40.6	40.9	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.1
≥ 16000	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4
≥ 14000	40.9	41.2	41.3	41.3	41.3	41.3	41.3	41.5	41.5	41.6	41.6	41.7	41.7	41.7	41.7	41.7
≥ 12000	43.1	43.4	43.5	43.5	43.5	43.5	43.5	43.8	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0
≥ 10000	49.4	49.9	50.0	50.0	50.0	50.0	50.0	50.2	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4
≥ 9000	51.9	52.0	52.2	52.2	52.3	52.5	52.5	52.7	52.7	52.8	52.9	53.0	53.0	53.0	53.1	53.1
≥ 8000	57.6	58.2	58.3	58.4	58.5	58.7	58.7	58.9	58.9	59.0	59.1	59.2	59.2	59.2	59.4	59.4
≥ 7000	61.0	61.5	61.6	61.7	61.8	62.0	62.0	62.3	62.3	62.4	62.5	62.6	62.6	62.6	62.7	62.7
≥ 6000	63.3	64.0	64.1	64.2	64.3	64.5	64.5	64.7	64.7	64.8	64.9	65.1	65.1	65.1	65.2	65.2
≥ 5000	68.1	68.7	68.8	68.9	69.0	69.2	69.2	69.5	69.5	69.9	70.0	70.1	70.1	70.1	70.2	70.2
≥ 4500	70.1	70.8	70.9	71.1	71.2	71.5	71.5	71.7	71.7	72.2	72.3	72.4	72.4	72.4	72.5	72.5
≥ 4000	78.1	78.7	78.8	79.0	79.1	79.5	79.5	79.7	79.7	80.1	80.2	80.3	80.3	80.3	80.4	80.4
≥ 3500	82.8	83.8	84.1	84.6	84.7	85.1	85.1	85.3	85.3	85.7	85.8	85.9	85.9	85.9	86.0	86.0
≥ 3000	86.1	87.5	87.8	88.4	88.5	88.8	88.8	89.0	89.0	89.5	89.6	89.7	89.7	89.7	89.8	89.8
≥ 2500	88.6	89.8	90.1	90.6	90.8	91.1	91.1	91.3	91.3	91.7	91.8	91.9	91.9	91.9	92.0	92.0
≥ 2000	91.7	93.2	93.7	94.2	94.3	94.6	94.6	94.8	94.8	95.3	95.4	95.5	95.5	95.5	95.6	95.6
≥ 1800	91.9	93.7	94.0	94.5	94.6	94.9	94.9	95.2	95.2	95.6	95.7	95.8	95.8	95.8	95.9	95.9
≥ 1500	92.7	94.5	94.9	95.5	95.6	95.9	95.9	96.1	96.1	96.6	96.7	96.8	96.8	96.8	96.9	96.9
≥ 1200	93.4	95.1	95.7	96.2	96.7	97.0	97.1	97.3	97.3	97.7	97.8	98.0	98.0	98.0	98.1	98.1
≥ 1000	93.5	95.4	95.9	96.6	97.0	97.3	97.4	97.6	97.6	98.1	98.2	98.3	98.3	98.3	98.4	98.4
≥ 900	93.5	95.4	96.0	96.7	97.1	97.4	97.5	97.7	97.7	98.2	98.3	98.4	98.4	98.4	98.5	98.5
≥ 800	93.7	95.5	96.1	96.8	97.2	97.5	97.6	97.8	97.8	98.3	98.4	98.5	98.5	98.5	98.6	98.6
≥ 700	93.9	95.7	96.3	97.0	97.4	97.7	97.8	98.1	98.1	98.5	98.6	98.7	98.7	98.7	98.8	98.8
≥ 600	94.1	96.1	96.7	97.3	97.7	98.1	98.2	98.4	98.5	98.9	99.0	99.1	99.1	99.1	99.2	99.2
≥ 500	94.3	96.2	97.0	97.6	98.1	98.4	98.6	98.8	98.9	99.4	99.5	99.6	99.6	99.6	99.7	99.7
≥ 400	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0
≥ 300	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0
≥ 200	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0
≥ 100	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0
≥ 0	94.3	96.2	97.1	97.7	98.2	98.6	98.7	99.1	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 222 GALENA AFS AK STATION NAME

73-87 YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 20000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 8000 5000	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 4000 2000	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 1000 950	41.4	41.8	41.8	41.8	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 800 750	47.8	47.8	47.8	47.8	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 600 500	49.0	49.0	49.0	49.0	49.4	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4500 4000	54.0	54.0	54.0	54.0	54.3	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 3500 3000	57.5	57.6	57.6	57.6	58.0	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 2500 2000	58.8	58.9	59.0	59.0	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 1500 1000	63.5	63.7	63.8	63.8	64.1	64.1	64.3	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 800 500	65.7	65.8	65.9	66.0	66.3	66.3	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 400 300	74.6	74.7	74.8	74.9	75.4	75.4	75.6	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 200 100	83.5	84.0	84.2	84.3	84.8	84.8	85.1	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 80 50	87.4	88.1	88.3	88.4	88.9	88.9	89.1	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 30 20	90.2	91.1	91.3	91.4	91.9	91.9	92.2	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 10 5	93.8	95.1	95.4	95.5	96.0	96.0	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3 2	94.0	95.3	95.6	95.7	96.2	96.2	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1 0	95.2	96.7	97.0	97.1	97.6	97.6	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	95.8	97.3	97.6	97.7	98.3	98.3	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	95.8	97.3	97.6	97.7	98.3	98.3	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	95.9	97.4	97.7	97.8	98.4	98.4	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	96.0	97.5	98.0	98.2	98.8	98.8	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	96.0	97.6	98.1	98.3	98.9	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.0	97.6	98.1	98.4	99.0	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.0	97.6	98.1	98.4	99.0	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.0	97.6	98.1	98.4	99.0	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.0	97.6	98.1	98.4	99.0	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.0	97.6	98.1	98.4	99.0	99.0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 936

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-222 CALENA AFS AK STATION NAME

73-62 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13
NO. CEILING	25.8	28.8	28.8	28.8	28.8	26.6	28.8	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 2000	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 1800	37.4	37.4	37.5	37.5	37.5	37.5	37.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1600	37.4	37.4	37.5	37.5	37.5	37.5	37.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 1400	35.5	38.5	38.6	38.6	38.6	38.6	38.6	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 1200	40.9	40.9	41.1	41.1	41.1	41.1	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 1000	47.3	47.3	47.5	47.5	47.6	47.6	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 900	48.8	48.8	49.0	49.0	49.1	49.1	49.2	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 800	54.7	54.7	55.1	55.1	55.3	55.3	55.4	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 700	59.8	59.8	60.1	60.1	60.3	60.3	60.4	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 600	61.7	61.7	62.0	62.0	62.3	62.3	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 500	68.0	68.0	68.3	68.3	68.5	68.5	68.6	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 450	69.7	69.0	69.4	69.4	69.6	69.6	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 400	76.9	77.4	77.9	78.0	78.3	78.3	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 350	85.9	86.7	87.1	87.2	87.5	87.5	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 300	90.9	91.7	92.2	92.4	92.9	92.9	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 250	93.3	94.4	94.8	95.1	95.6	95.6	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200	94.6	96.1	96.7	97.0	97.5	97.5	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 180	95.1	96.6	97.1	97.4	98.0	98.0	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 150	95.2	97.1	97.5	97.8	98.4	98.4	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 120	95.3	97.2	97.7	98.1	98.6	98.6	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	95.4	97.3	98.1	98.5	99.0	99.0	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 90	95.4	97.3	98.1	98.5	99.0	99.0	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 80	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 70	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 60	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 40	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 30	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10	95.4	97.4	98.2	98.6	99.1	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 STATION NAME GALENA AFS AR 73-82 YEARS 1978-2000

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1978-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0	
10000	34.4	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
8000	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
6000	43.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
4000	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
3000	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
2000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
1500	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3
1000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8
800	61.4	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.9	62.9	62.9	62.9
600	67.6	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7
400	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.6	70.6	70.6	70.6
200	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	76.2	76.2	76.2	76.2	76.6	76.6	76.6	76.6
100	77.0	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.8	77.8	77.8	77.8	78.2	78.2	78.2	78.2
80	84.2	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0
60	90.0	90.8	91.2	91.4	91.4	91.4	91.4	91.4	91.7	91.7	91.7	91.7	92.0	92.0	92.0	92.0
40	92.3	94.2	94.6	95.2	95.2	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8
20	94.5	95.4	95.9	96.5	96.5	96.5	96.5	96.5	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1
10	95.5	96.8	97.3	97.8	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.5	98.5	98.5	98.5
8000	95.8	97.1	97.6	98.2	98.2	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8
6000	96.1	97.3	97.8	98.4	98.4	98.4	98.4	98.4	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2
4000	96.1	97.4	98.1	98.5	98.6	98.6	98.6	98.7	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5
2000	96.0	97.7	98.3	98.9	99.0	99.0	99.0	99.1	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9
1500	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
1000	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
800	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
600	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
400	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
200	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
100	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
80	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
60	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
40	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0
20	96.1	97.7	98.4	99.0	99.1	99.1	99.1	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 836

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR LEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2220 GALENA AFS AK STATION NAME

73-82 YEAR

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21397-2320

CEILING FEET	VISIBILITY STATUTE MILES																			
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25									
NO. CEILING ≥20000	35.4	40.5	47.5	48.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
18000 00K	42.1	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
14000 00K	45.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
10000 00K	46.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
8000 00K	46.0	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
6000 00K	48.0	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
4000 00K	54.3	55.7	55.7	55.7	55.9	55.9	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
2000 00K	61.5	65.3	65.4	65.4	65.7	65.7	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
1000 00K	66.5	70.4	70.5	70.5	71.0	71.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
800 00K	68.3	72.4	72.5	72.5	72.9	72.9	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
600 00K	73.9	78.4	78.4	78.4	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
450 00K	76.6	81.4	81.4	81.4	82.4	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
400 00K	81.9	87.3	87.3	87.3	88.2	88.2	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
350 00K	86.8	93.3	94.1	94.1	94.4	94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
300 00K	87.8	94.4	95.3	95.3	96.3	96.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
250 00K	88.1	95.6	96.3	96.6	97.2	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
200 00K	88.4	96.1	96.3	97.1	97.7	97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
180 00K	88.4	96.2	97.1	97.2	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
160 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
140 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
120 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
100 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
90 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
80 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
70 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
60 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
50 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
40 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
30 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
20 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
10 00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
00K	89.3	97.2	98.1	98.3	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 950

CENTRAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AR STATION NAME 73-42 YEAR ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBLE STATISTICAL															
	20	26	35	24	25	26	27	28	29	30	31	32	33	34	35	36
10000	32.7	34.2	34.2	34.2	34.2	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.6	34.7	34.7
8000	35.5	40.1	40.2	40.2	40.2	40.3	40.3	40.4	40.4	40.5	40.6	40.6	40.6	40.7	40.7	40.8
6000	39.3	41.5	41.5	41.6	41.6	41.7	41.7	41.8	41.9	41.9	41.9	42.0	42.0	42.0	42.1	42.1
4000	40.7	41.7	41.7	41.8	41.8	41.9	41.9	42.0	42.0	42.1	42.1	42.2	42.2	42.2	42.3	42.3
2000	42.5	44.2	44.3	44.3	44.4	44.4	44.5	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.9	45.0
1000	47.8	49.8	49.9	49.9	50.0	50.1	50.2	50.3	50.4	50.4	50.5	50.5	50.6	50.6	50.7	50.7
800	49.3	51.4	51.5	51.5	51.7	51.8	51.9	52.1	52.1	52.2	52.3	52.3	52.3	52.4	52.5	52.5
600	55.5	57.8	57.9	58.0	58.2	58.3	58.3	58.6	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9
400	60.3	63.7	63.1	63.2	63.4	63.5	63.6	63.8	63.8	63.9	64.0	64.1	64.1	64.1	64.2	64.3
200	62.9	65.4	65.6	65.7	65.9	66.0	66.1	66.3	66.3	66.4	66.5	66.6	66.6	66.6	66.7	66.8
100	66.7	71.8	72.1	72.3	72.5	72.6	72.7	73.0	73.0	73.1	73.2	73.3	73.3	73.3	73.4	73.5
80	71.1	74.2	74.4	74.6	74.9	75.0	75.1	75.4	75.4	75.5	75.6	75.7	75.7	75.7	75.8	75.9
60	78.7	81.6	81.9	82.1	82.4	82.6	82.7	83.0	83.0	83.1	83.2	83.3	83.3	83.3	83.4	83.5
40	83.6	87.7	88.3	88.4	88.7	88.8	88.9	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.7	89.7
20	86.3	90.8	91.1	91.5	91.9	92.0	92.1	92.4	92.4	92.5	92.7	92.7	92.7	92.8	92.9	92.9
10	87.9	92.6	93.0	93.4	93.8	93.9	94.0	94.3	94.3	94.5	94.6	94.6	94.7	94.7	94.8	94.8
8	89.6	94.7	95.2	95.6	96.0	96.1	96.3	96.6	96.6	96.7	96.9	96.9	96.9	96.9	97.1	97.1
6	89.8	95.1	95.5	95.9	96.3	96.5	96.6	96.9	96.9	97.0	97.2	97.2	97.2	97.3	97.4	97.4
4	90.5	95.9	96.4	96.8	97.2	97.4	97.5	97.8	97.9	98.0	98.1	98.2	98.2	98.2	98.3	98.4
2	90.7	96.2	96.7	97.2	97.6	97.8	98.0	98.3	98.3	98.4	98.5	98.6	98.6	98.6	98.7	98.8
1	90.8	96.3	96.9	97.4	97.9	98.0	98.2	98.5	98.5	98.7	98.8	98.8	98.9	98.9	99.0	99.1
0.8	90.8	96.4	96.9	97.4	97.9	98.1	98.3	98.6	98.6	98.7	98.9	98.9	99.0	99.0	99.1	99.2
0.6	90.8	96.4	97.1	97.5	98.0	98.1	98.4	98.7	98.7	98.8	99.0	99.0	99.0	99.1	99.2	99.2
0.4	90.9	96.5	97.1	97.6	98.1	98.3	98.5	98.8	98.8	99.0	99.1	99.2	99.2	99.2	99.3	99.4
0.2	91.0	96.6	97.2	97.7	98.2	98.4	98.6	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.4	99.5
0.1	91.0	96.7	97.4	97.9	98.4	98.5	98.8	99.1	99.1	99.3	99.5	99.5	99.6	99.6	99.7	99.8
0.05	91.0	96.8	97.4	98.0	98.5	98.6	98.8	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	99.9
0.02	91.0	96.8	97.4	98.0	98.5	98.6	98.9	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	100.0
0.01	91.0	96.8	97.4	98.0	98.5	98.6	98.9	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7419

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-54-22C SALENA AFS AK STATION NAME 73-82 YEARS 5000-0200

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.4	≥0.3	≥0.2	≥0
20000	31.9	40.8	41.7	41.0	41.3	41.3	41.3	41.3	41.3	41.4	41.5	41.8	41.9	41.9	41.8	41.6
18000	36.2	46.2	46.4	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.7	46.7	46.7	46.7	46.7	46.7
16000	36.3	46.3	46.6	46.6	46.9	46.9	46.9	46.9	46.9	47.1	47.4	47.4	47.4	47.4	47.4	47.4
14000	36.9	47.0	47.2	47.2	47.6	47.6	47.6	47.6	47.6	47.8	49.1	49.1	48.1	48.1	49.1	45.1
12000	37.7	47.9	48.1	48.1	48.4	48.4	48.4	48.4	48.4	48.7	49.0	49.0	49.0	49.0	49.0	49.0
10000	39.3	51.3	51.5	51.6	51.9	51.9	51.9	51.9	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4
8000	39.8	52.2	52.4	52.4	52.8	52.8	52.8	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3
6000	45.0	60.0	60.2	60.2	60.6	60.6	60.6	60.6	60.6	60.9	61.1	61.1	61.1	61.1	61.1	61.1
4000	47.6	64.8	65.1	65.0	65.3	65.3	65.3	65.3	65.3	65.6	65.9	65.9	65.9	65.9	65.9	65.9
2000	49.3	67.6	67.9	67.8	68.3	68.3	68.3	68.3	68.3	68.7	68.9	68.9	68.9	68.9	68.9	68.9
1000	52.3	73.9	74.1	74.1	74.7	74.7	74.8	74.8	74.8	75.0	75.3	75.3	75.3	75.3	75.3	75.3
500	55.3	77.3	77.6	77.6	78.1	78.1	78.2	78.2	78.2	78.4	78.8	79.8	79.8	79.8	79.8	79.8
200	59.1	82.8	83.0	83.0	83.9	83.9	84.0	84.0	84.0	84.2	84.6	84.6	84.6	84.6	84.6	84.6
100	60.3	87.8	88.1	88.1	89.0	89.0	89.1	89.1	89.1	89.3	89.7	89.7	89.7	89.7	89.7	89.7
50	61.7	89.8	90.1	90.1	91.0	91.0	91.1	91.1	91.1	91.3	91.7	91.7	91.7	91.7	91.7	91.7
25	62.8	90.9	91.2	91.2	92.1	92.1	92.2	92.2	92.2	92.4	92.8	92.8	92.8	92.8	92.8	92.8
10	62.8	95.3	95.7	95.7	96.8	96.8	96.9	96.9	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4
5	62.9	95.4	95.8	95.8	97.0	97.0	97.1	97.1	97.1	97.3	97.7	97.7	97.7	97.7	97.7	97.7
2	63.1	95.9	96.2	96.3	97.4	97.4	97.6	97.6	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1
1	63.1	96.2	96.7	96.8	97.9	97.9	98.0	98.0	98.0	98.2	98.6	98.6	98.6	98.6	98.6	98.6
0.5	63.1	96.3	96.4	96.9	98.0	98.0	98.1	98.1	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7
0.25	63.1	96.3	96.4	96.9	98.0	98.0	98.1	98.1	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8
0.1	63.1	96.3	96.4	96.9	98.0	98.0	98.1	98.1	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8
0.05	63.2	96.6	97.1	97.2	98.4	98.4	98.7	98.7	98.7	99.0	99.3	99.3	99.3	99.4	99.4	99.4
0.025	63.2	96.8	97.3	97.4	98.7	98.7	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.8
0.01	63.2	96.8	97.3	97.4	98.7	98.7	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.8
0.005	63.2	96.8	97.3	97.4	98.7	98.7	99.0	99.0	99.0	99.3	99.7	99.7	99.7	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75-220 GALINA AFS AK STATION NAME

73-62 YEAR

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
NO CEILING	29.3	33.2	34.2	34.6	34.8	34.8	34.9	35.0	35.0	35.2	35.3	35.3	35.6	35.7	35.9	36.0
≥2500	33.1	32.7	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥1800	33.4	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥1600	33.4	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥1400	34.1	32.6	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥1200	35.7	32.4	32.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥1000	35.1	34.0	34.0	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥900	38.9	35.7	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥800	45.1	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥700	45.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥600	51.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥500	56.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥400	59.3	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥300	62.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥250	64.3	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥200	65.8	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥150	67.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥100	67.8	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥75	68.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥50	68.3	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥25	66.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥15	66.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥10	66.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥7.5	68.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥5	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥2.5	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥1.5	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥1	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥0.75	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥0.5	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥0.25	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥0.1	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥0.05	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥0.02	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥0.01	68.4	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9

TOTAL NUMBER OF OBSERVATIONS 800

CLIMATE CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-62 YEARS

4657

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0000

CEILING FEET	VISIBILITY STATUTE MILES																			
	20	26	28	24	23	22	22	21	21	21	20	20	20	19	19	19	18	18	18	17
2500	25.1	27.1	27.2	27.2	27.3	27.3	27.3	27.6	27.6	27.8	28.1	28.1	29.3	28.3	29.7	29.1				
2000	29.9	31.4	30.6	33.7	30.8	30.8	30.8	31.0	31.0	31.2	31.6	31.6	31.8	31.6	32.1	32.7				
1500	31.6	32.1	32.2	32.3	32.4	32.4	32.4	32.7	32.7	32.9	33.2	33.2	33.4	33.4	33.8	34.3				
1000	31.7	32.3	32.3	32.4	32.6	32.6	32.6	32.8	32.8	33.0	33.3	33.3	33.6	33.6	33.9	34.4				
500	32.4	33.1	33.1	33.2	33.3	33.3	33.3	33.6	33.6	33.8	34.1	34.1	34.3	34.3	34.7	35.2				
0	33.4	34.1	34.2	34.3	34.4	34.4	34.4	34.7	34.7	34.9	35.2	35.2	35.4	35.4	35.8	36.3				
2500	38.3	38.9	39.1	39.1	39.2	39.2	39.2	39.4	39.4	39.7	40.0	40.0	40.2	40.2	40.5	41.1				
2000	39.9	40.4	40.6	40.7	40.8	40.8	40.8	41.0	41.0	41.2	41.6	41.6	41.8	41.8	42.1	42.7				
1500	46.1	47.1	47.1	47.2	47.3	47.3	47.4	47.7	47.7	47.9	48.2	48.2	48.4	48.4	48.8	49.3				
1000	53.3	54.3	54.4	54.6	54.6	54.9	55.0	55.6	55.6	55.9	56.3	56.3	56.7	56.7	57.0	57.6				
500	56.6	57.6	57.7	57.9	58.2	58.2	58.3	58.9	58.9	59.2	59.7	59.7	60.0	60.0	60.3	60.9				
0	65.2	66.3	66.4	66.7	67.1	67.1	67.2	67.8	67.8	68.1	68.6	68.6	68.9	68.9	69.2	69.8				
2500	66.4	69.9	70.1	70.2	70.7	70.7	70.8	71.3	71.3	71.7	72.1	72.1	72.4	72.4	72.8	73.3				
2000	75.2	77.0	78.1	78.3	78.8	78.8	79.9	79.4	79.4	79.8	80.2	80.2	80.6	80.6	81.0	81.6				
1500	78.9	81.6	82.1	82.3	82.8	82.8	82.9	83.4	83.4	83.8	84.2	84.2	84.6	84.6	85.0	85.6				
1000	81.1	84.1	84.4	85.1	85.6	85.7	85.9	86.6	86.6	87.0	87.4	87.4	87.8	87.8	88.2	88.8				
500	83.6	86.9	87.8	88.1	88.6	88.7	88.9	89.6	89.6	90.0	90.4	90.4	90.8	90.8	91.2	91.8				
0	84.9	88.4	89.4	89.9	90.3	90.4	90.7	91.3	91.3	91.9	92.3	92.3	92.7	92.7	93.1	93.7				
2500	85.3	89.1	90.1	90.4	90.9	91.0	91.2	91.9	91.9	92.4	92.9	92.9	93.2	93.2	93.7	94.2				
2000	86.2	90.0	90.4	91.3	92.0	92.1	92.3	93.0	93.0	93.6	94.0	94.0	94.3	94.3	94.8	95.3				
1500	86.8	90.6	91.7	92.1	92.8	92.9	93.1	93.8	93.8	94.3	94.8	94.8	95.1	95.1	95.6	96.1				
1000	86.9	90.8	91.9	92.3	93.0	93.1	93.3	94.0	94.0	94.6	95.1	95.1	95.4	95.4	95.9	96.4				
500	87.1	91.0	92.2	92.7	93.3	93.4	93.7	94.3	94.3	94.9	95.4	95.4	95.8	95.8	96.2	96.8				
0	87.4	91.4	92.8	93.3	94.0	94.1	94.3	95.0	95.0	95.6	96.1	96.1	96.4	96.4	96.9	97.4				
2500	87.7	91.6	93.1	93.6	94.2	94.3	94.6	95.2	95.2	95.8	96.3	96.3	96.7	96.7	97.1	97.7				
2000	87.1	91.6	93.1	93.6	94.2	94.3	94.6	95.3	95.3	95.9	96.4	96.4	96.8	96.8	97.2	97.8				
1500	87.7	91.9	93.4	93.9	94.6	94.7	94.9	95.7	95.7	96.2	96.8	96.8	97.1	97.1	97.6	98.1				
1000	87.1	92.2	93.9	94.3	95.0	95.1	95.4	96.3	96.3	97.0	97.6	97.6	98.0	98.0	98.4	99.0				
500	87.7	92.2	93.9	94.3	95.1	95.2	95.6	96.4	96.4	97.1	97.7	97.7	98.1	98.1	98.5	99.1				
0	87.1	92.1	94.0	94.4	95.2	95.3	95.7	96.6	96.6	97.2	97.8	97.8	98.2	98.2	98.6	99.2				
2500	87.7	92.3	94.1	94.4	95.2	95.3	95.7	96.6	96.6	97.2	97.8	97.8	98.2	98.2	98.6	99.2				
2000	87.7	92.3	94.1	94.4	95.2	95.3	95.7	96.6	96.6	97.2	97.8	97.8	98.2	98.2	98.6	99.2				

TOTAL NUMBER OF OBSERVATIONS 990

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AR

73-62

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0230-1130

CEILING FEET	VISIBILITY - STATUTE MILES																
	30	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	
1000	31.1	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.6	31.6	31.7	31.7	31.7
900	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.6	34.6	34.9	34.9	34.9
800	35.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.4	36.4	36.6	36.6	36.6
700	37.2	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.9	37.9	38.0	38.0	38.0
600	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	40.1	40.1	40.2	40.2	40.2
500	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.2	45.2	45.2
400	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.4	46.4	46.6	46.6	46.6
300	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	52.0	52.3	52.3	52.4	52.4
200	55.6	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.6	57.6	57.6	57.6	57.7	58.0	58.0	58.1	58.1
100	61.1	61.7	61.7	61.7	61.7	61.7	61.7	62.2	62.2	62.3	62.7	62.7	62.8	62.8	62.8	62.8	62.9
50	67.1	68.2	68.2	68.2	68.2	68.2	68.4	68.8	68.8	68.8	68.9	69.2	69.2	69.3	69.3	69.3	69.4
25	69.9	71.2	71.2	71.2	71.2	71.2	71.4	71.8	71.8	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.4
15	75.9	77.8	77.8	78.0	78.0	78.0	78.2	78.6	78.6	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.2
10	80.3	82.3	82.4	82.6	82.6	82.6	82.8	83.1	83.1	83.4	83.8	83.8	83.9	83.9	83.9	83.9	84.0
5	83.8	86.2	86.3	86.4	86.4	86.4	86.8	87.1	87.1	87.4	87.8	87.8	88.0	88.0	88.0	88.0	88.1
3	85.9	88.3	88.4	88.6	88.6	88.6	88.9	89.2	89.2	89.6	89.9	89.9	90.1	90.1	90.1	90.1	90.2
2	88.0	90.7	91.0	91.3	91.4	91.4	91.8	92.1	92.1	92.4	92.8	92.8	93.0	93.0	93.0	93.0	93.1
1	88.1	90.8	91.1	91.4	91.6	91.6	91.9	92.2	92.2	92.6	92.9	92.9	93.1	93.1	93.1	93.1	93.2
0.5	89.1	91.9	92.2	92.6	92.7	92.7	93.0	93.3	93.3	93.7	94.0	94.0	94.2	94.2	94.2	94.2	94.3
0.25	89.9	92.8	93.3	93.7	93.8	93.8	94.1	94.4	94.4	94.8	95.1	95.1	95.3	95.3	95.3	95.3	95.4
0.15	90.1	93.1	93.7	94.1	94.2	94.2	94.6	94.9	94.9	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.9
0.1	90.4	93.8	94.7	95.1	95.2	95.2	95.6	95.9	95.9	96.2	96.6	96.6	96.8	96.8	96.8	96.8	96.9
0.075	91.1	94.6	95.4	95.9	96.1	96.1	96.4	96.8	96.8	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.8
0.05	91.1	94.7	95.7	96.1	96.3	96.3	96.7	97.0	97.0	97.3	97.7	97.7	97.9	98.0	98.0	98.0	98.1
0.0375	91.1	94.7	95.7	96.1	96.3	96.3	96.7	97.0	97.0	97.3	97.7	97.7	97.9	98.0	98.0	98.0	98.1
0.025	91.4	95.2	96.3	96.9	97.1	97.1	97.4	97.8	97.8	98.1	98.4	98.4	98.7	98.8	98.8	98.8	98.9
0.01875	91.4	95.7	96.9	97.4	97.7	97.7	98.1	98.4	98.4	98.8	99.1	99.1	99.2	99.4	99.4	99.4	99.7
0.0125	91.4	95.7	97.0	97.6	97.8	97.8	98.2	98.6	98.6	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.9
0.00875	91.6	95.7	97.0	97.6	97.8	97.8	98.2	98.6	98.6	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.9
0.00625	91.6	95.7	97.0	97.6	97.8	97.8	98.2	98.6	98.6	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.9
0.004375	91.6	95.7	97.0	97.6	97.8	97.8	98.2	98.6	98.6	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.9
0.003125	91.6	95.7	97.0	97.6	97.8	97.8	98.2	98.6	98.6	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.9
0.0021875	91.6	95.7	97.0	97.6	97.8	97.8	98.2	98.6	98.6	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.9
0.0015625	91.6	95.7	97.0	97.6	97.8	97.8	98.2	98.6	98.6	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.9

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220

SALENA AFS AK STATION NAME

73-02 YEAR

TIME

066P

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1230-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
20000	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
18000	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
16000	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
14000	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
12000	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
10000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
9000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
8000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
7000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
6000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
5000	56.7	56.8	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
4500	62.3	63.2	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
4000	65.2	65.4	65.9	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
3500	70.7	71.2	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
3000	76.8	77.4	78.1	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2500	81.3	83.0	84.1	84.1	84.1	84.1	84.4	84.6	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0
2000	86.4	87.6	88.4	88.8	89.0	89.0	89.2	89.2	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.7
1500	90.1	91.1	92.0	92.1	92.6	92.6	92.8	92.8	92.9	93.1	93.1	93.1	93.2	93.2	93.2	93.2
1000	90.9	91.8	92.7	93.1	93.3	93.3	93.6	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0
500	91.7	92.7	93.4	94.0	94.4	94.4	94.8	94.8	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2
0	92.8	93.9	94.4	95.2	95.7	95.7	96.7	96.1	96.2	96.4	96.4	96.4	96.6	96.6	96.6	96.6
	93.4	94.8	95.3	96.3	96.9	96.9	97.2	97.6	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
	93.9	95.4	96.4	97.2	97.8	97.8	98.1	98.4	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0
	94.3	95.6	96.9	97.1	97.9	97.9	98.2	98.6	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1
	94.6	96.2	97.6	98.0	98.6	98.6	98.9	99.2	99.3	99.6	99.6	99.6	99.8	99.8	99.8	99.8
	94.7	96.1	97.7	98.1	98.7	98.7	99.1	99.3	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9
	94.7	96.4	97.8	98.2	98.8	98.8	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	94.7	96.4	97.8	98.2	98.8	98.8	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	94.7	96.4	97.8	98.2	98.8	98.8	99.1	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 990

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION GALENA AFS AK STATION NAME 73-82 YEAR SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
83.2	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
88.0	88.4	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
90.7	91.3	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
92.3	93.1	93.9	94.0	94.0	94.0	94.0	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
93.1	93.9	94.7	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
93.8	94.8	95.6	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
94.1	95.4	96.3	96.4	96.4	96.4	96.6	96.9	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
94.4	96.0	96.9	97.0	97.0	97.1	97.6	97.6	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
94.6	96.2	97.1	97.2	97.2	97.3	97.8	97.8	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
94.6	96.3	97.2	97.3	97.3	97.4	97.9	97.9	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
94.8	96.6	97.6	97.8	98.0	98.1	98.7	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
94.8	96.6	97.6	97.8	98.1	98.2	98.8	98.8	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
94.8	96.7	97.7	97.9	98.4	98.6	99.2	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
94.8	96.7	97.8	98.0	98.6	98.8	99.4	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225

SALENA AFS AK STATION NAME

73-62 YEAR

552

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1988-2038

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0
NO CEILING	31.2	31.3	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥2000	36.0	36.2	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥1800	36.6	38.6	38.6	38.6	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥1600	39.0	39.2	39.2	39.2	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥1400	39.4	39.7	39.7	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥1200	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥1000	43.9	44.0	44.0	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥900	45.9	46.0	46.0	46.0	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥800	53.2	53.9	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥700	58.9	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥600	61.1	62.0	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥500	68.0	69.4	69.7	69.7	69.7	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥400	71.1	72.8	73.7	73.0	73.0	73.0	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥300	77.2	79.4	79.7	79.7	79.7	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥200	83.9	87.1	87.4	87.6	87.6	87.6	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥100	86.8	90.2	90.6	90.7	90.8	90.8	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥80	88.9	92.7	93.0	93.1	93.2	93.2	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥60	90.8	94.4	94.8	94.9	95.0	95.0	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥50	90.8	94.7	95.0	95.1	95.2	95.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥40	91.1	95.1	95.1	95.8	95.9	95.9	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥30	91.7	96.0	96.3	96.4	96.5	96.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥20	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥10	91.7	96.0	96.4	96.9	97.1	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥8	91.7	96.0	96.4	96.9	97.3	97.3	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥6	91.7	96.1	96.4	97.2	97.8	97.8	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥5	91.7	96.2	96.7	97.2	97.9	97.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥4	91.7	96.2	96.9	97.4	98.0	98.0	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥3	91.8	96.3	96.9	97.8	98.4	98.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥2	91.8	96.3	96.9	97.8	98.4	98.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1	91.8	96.3	96.9	97.8	98.4	98.4	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220 SALENA AFS AK STATION NAME

73-82 YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.7	39.3	39.3	39.3	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	35.1	43.7	43.7	43.7	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 18000	35.6	44.3	44.3	44.3	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	35.9	44.9	44.9	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 14000	36.3	45.6	45.6	45.6	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 12000	36.7	46.3	46.3	46.3	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	38.6	49.7	49.7	49.7	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 9000	39.4	50.8	50.8	50.8	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	45.1	58.6	58.6	58.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	45.9	64.4	64.4	64.4	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	49.7	66.1	66.1	66.1	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	53.1	72.3	72.3	72.3	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500	55.2	75.0	75.0	75.0	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	59.8	82.1	82.1	82.1	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	62.6	87.6	87.6	87.6	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	64.4	90.3	90.3	90.3	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	65.1	92.2	92.2	92.2	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	66.3	94.1	94.1	94.1	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	66.3	94.8	94.8	94.8	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	66.4	95.1	95.1	95.1	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	66.4	95.6	95.7	95.8	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	66.4	96.3	96.4	96.6	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	66.4	96.3	96.4	96.6	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	66.4	96.4	96.7	96.8	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	66.4	96.4	96.7	96.8	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	66.4	96.7	97.2	97.3	98.2	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	66.4	96.7	97.2	97.3	98.3	98.4	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.2	99.2
≥ 400	66.4	96.7	97.3	97.6	98.6	98.7	99.1	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.8	99.8
≥ 300	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8
≥ 100	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8
≥ 50	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8
≥ 0	66.4	96.9	97.6	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 WALUNA AFS AK STATION NAME

73-82 YEAR

56P

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

All

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	22	21	21	21	20	20	20	20	20	20
NO. OF HOURS	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
18000	30.1	32.9	33.0	33.1	33.2	33.2	33.2	33.3	33.3	33.3	33.5	33.5	33.5	33.5	33.6	33.7
16000	34.4	37.4	37.5	37.6	37.7	37.7	37.8	37.8	37.8	37.9	38.0	38.0	38.1	38.1	38.1	38.2
14000	35.7	38.8	38.9	39.0	39.1	39.1	39.1	39.2	39.2	39.3	39.4	39.4	39.5	39.5	39.5	39.6
12000	35.8	39.0	39.1	39.2	39.3	39.3	39.4	39.4	39.4	39.5	39.6	39.6	39.7	39.7	39.8	39.8
10000	36.7	39.9	40.0	40.1	40.2	40.2	40.2	40.3	40.3	40.4	40.5	40.5	40.6	40.6	40.6	40.7
9000	37.9	41.2	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.8	41.8	41.8	41.9	42.0
8000	41.7	45.5	45.6	45.7	45.8	45.8	45.9	45.9	45.9	46.0	46.1	46.1	46.2	46.2	46.3	46.3
7000	42.8	46.7	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.2	47.3	47.3	47.4	47.4	47.5	47.6
6000	49.0	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.3	54.5	54.5	54.5	54.6	54.6	54.7
5000	53.5	57.1	57.3	57.3	57.5	57.5	57.6	57.6	57.6	57.9	60.0	60.0	60.0	60.1	60.2	60.3
4500	55.4	61.9	62.1	62.2	62.4	62.4	62.5	62.7	62.7	62.8	62.9	62.9	63.0	63.0	63.1	63.2
4000	61.4	68.8	69.1	69.2	69.4	69.4	69.6	69.7	69.7	69.8	70.0	70.0	70.1	70.1	70.2	70.3
3500	69.5	78.4	78.7	78.8	79.1	79.1	79.3	79.4	79.4	79.5	79.7	79.7	79.8	79.8	79.9	80.0
3000	73.8	83.9	84.1	84.4	84.7	84.7	84.9	85.1	85.1	85.2	85.4	85.4	85.5	85.5	85.6	85.7
2500	76.9	87.4	87.8	87.9	88.2	88.3	88.5	88.7	88.7	88.9	89.1	89.1	89.2	89.2	89.3	89.4
2000	79.7	90.7	90.9	90.7	91.1	91.1	91.3	91.5	91.5	91.7	91.9	91.9	92.0	92.1	92.2	92.3
1800	80.4	92.2	92.3	93.0	93.4	93.4	93.7	93.9	93.9	94.2	94.3	94.3	94.4	94.5	94.5	94.7
1600	80.7	92.8	93.3	93.6	94.0	94.0	94.3	94.5	94.5	94.8	94.9	94.9	95.1	95.1	95.2	95.3
1400	81.2	93.4	94.1	94.3	94.7	94.8	95.1	95.3	95.3	95.5	95.7	95.7	95.8	95.8	95.9	96.0
1200	81.7	94.1	94.7	95.1	95.5	95.6	95.9	96.1	96.1	96.4	96.5	96.5	96.7	96.7	96.8	96.9
1000	81.8	94.5	95.2	95.6	96.0	96.1	96.4	96.7	96.7	96.9	97.1	97.1	97.2	97.3	97.4	97.5
900	82.0	94.7	95.5	95.9	96.4	96.4	96.8	97.0	97.0	97.3	97.4	97.4	97.6	97.6	97.7	97.8
800	82.1	94.9	95.8	96.1	96.7	96.7	97.0	97.3	97.3	97.6	97.7	97.7	97.9	97.9	98.0	98.1
700	82.2	95.1	96.1	96.4	96.9	97.0	97.3	97.6	97.6	97.9	98.0	98.0	98.2	98.2	98.3	98.4
600	82.3	95.2	96.1	96.6	97.1	97.1	97.5	97.8	97.8	98.1	98.2	98.2	98.4	98.4	98.5	98.6
500	82.3	95.4	96.3	96.8	97.4	97.5	97.9	98.2	98.2	98.5	98.7	98.7	98.8	98.9	99.0	99.1
400	82.3	95.5	96.5	97.0	97.7	97.8	98.3	98.6	98.7	99.0	99.2	99.2	99.3	99.4	99.5	99.6
300	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.7	99.0	99.2	99.2	99.4	99.5	99.6	99.7
200	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.7	99.0	99.2	99.2	99.4	99.5	99.6	99.7
100	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.8	99.1	99.3	99.3	99.5	99.6	99.7	99.8
0	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.8	99.1	99.3	99.3	99.5	99.6	99.7	99.9
	82.3	95.6	96.6	97.1	97.8	97.8	98.3	98.7	98.8	99.1	99.3	99.3	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 STATION SALEMVA AFS AK STATION NAME

73-82 YEAR

051

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	22	21	21	20	20	15	15	10	10	5
8000	23.1	36.2	36.3	36.7	36.8	36.6	36.8	36.8	36.8	36.8	36.9	36.9	37.1	37.3	37.3	37.4
7000	24.2	37.8	38.1	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.6	38.8	39.0	39.0	39.1
6000	25.2	39.1	39.4	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	40.1	40.3	40.3	40.4
5000	25.2	39.1	39.4	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.9	39.9	40.1	40.3	40.3	40.4
4000	25.2	39.4	39.6	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.3	40.5	40.6
3000	25.2	39.4	39.6	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.3	40.5	40.6
2000	26.1	40.6	40.9	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.5	41.5	41.7	41.9	42.0
1500	26.1	40.8	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.8	42.0	42.0
1000	28.3	44.5	44.8	45.2	45.3	45.3	45.3	45.5	45.5	45.5	45.5	45.7	45.7	45.9	46.1	46.2
800	31.3	48.7	49.1	49.4	49.6	49.6	49.6	49.9	49.9	49.9	50.1	50.1	50.3	50.5	50.5	50.6
600	32.5	51.5	51.9	52.2	52.4	52.4	52.4	52.7	52.7	52.7	52.9	52.9	53.1	53.3	53.3	53.4
500	35.4	56.9	57.2	57.5	57.8	57.8	57.8	58.2	58.2	58.2	58.3	58.5	58.5	58.7	58.9	59.0
400	36.2	58.9	59.2	59.8	60.1	60.1	60.1	60.4	60.4	60.5	60.8	60.8	61.0	61.2	61.2	61.3
300	38.9	63.3	63.7	64.5	65.1	65.1	65.2	65.5	65.5	65.6	65.8	65.8	66.0	66.2	66.2	66.3
200	41.9	68.6	69.1	70.0	70.6	70.6	70.8	71.2	71.2	71.3	71.5	71.5	71.7	71.9	71.9	72.0
150	43.3	72.5	73.0	74.1	74.9	74.9	75.2	75.6	75.7	75.8	76.0	76.0	76.2	76.5	76.5	76.6
100	44.2	75.3	75.9	77.1	78.1	78.1	78.4	78.8	78.9	79.2	79.5	79.6	79.8	80.0	80.0	80.1
80	45.6	75.9	80.6	81.8	83.2	83.2	83.7	84.1	84.3	84.7	85.1	85.1	85.3	85.5	85.5	85.6
60	45.9	80.3	81.1	82.3	83.7	83.7	84.1	84.5	84.7	85.2	85.5	85.5	85.7	85.9	85.9	86.0
40	46.4	81.8	83.1	84.4	85.8	85.9	86.3	86.6	87.3	87.7	88.1	88.1	88.3	88.5	88.5	88.6
20	47.8	84.4	85.7	87.1	88.7	88.9	89.4	89.9	90.5	91.0	91.3	91.3	91.5	91.7	91.7	91.8
10	47.8	84.7	86.1	87.5	89.1	89.4	89.8	90.5	91.2	91.6	91.9	91.9	92.3	92.5	92.5	92.6
8	48.0	85.3	86.7	88.1	89.7	89.9	90.3	91.1	91.7	92.2	92.5	92.5	92.8	93.0	93.0	93.1
6	48.1	85.5	86.9	88.3	90.0	90.2	90.8	91.5	92.2	92.6	92.9	92.9	93.2	93.4	93.4	93.5
4	48.2	85.9	87.5	88.9	90.8	91.0	92.0	92.8	93.4	93.9	94.2	94.2	94.5	94.7	94.7	94.8
2	48.2	86.3	88.1	89.6	91.6	91.8	93.0	93.8	94.4	94.8	95.3	95.3	95.6	95.8	95.8	95.9
1	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.3	95.3	97.3	97.7	98.0	98.4	98.6	98.6	98.7
0	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	97.8	98.4	98.6	99.0	99.2	99.2	99.4
0	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	97.8	98.4	98.6	99.1	99.4	99.4	99.7
0	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	98.1	98.7	98.9	99.5	99.7	99.7	100.0
0	48.2	86.7	88.5	90.0	92.4	92.7	94.4	95.6	96.7	98.1	98.7	98.9	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 070

CLIMAT CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 222 GALENA AFS AK STATION NAME

73-62 YEAR

061

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

330-0579

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01
NO CEILING															
≥20000	21.6	33.4	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥18000	22.4	35.4	35.5	35.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥16000	22.4	35.8	35.9	36.2	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥14000	23.0	35.9	36.1	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥12000	23.2	36.1	36.2	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥10000	26.3	40.0	40.1	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥8000	26.5	40.5	40.6	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥6000	29.5	44.7	44.9	45.3	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥4000	32.4	44.9	50.1	50.4	50.9	50.9	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥2000	33.7	52.6	52.8	53.1	53.5	53.5	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥1000	36.1	56.1	56.5	56.8	57.2	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥500	37.3	58.0	58.3	58.6	59.1	59.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥200	40.3	63.1	63.4	64.2	64.7	64.7	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥100	43.1	65.7	69.2	69.9	70.4	70.4	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥75	44.1	72.3	72.8	73.8	74.3	74.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥50	44.9	74.7	75.4	76.5	77.0	77.2	77.4	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥25	47.0	78.7	79.9	81.0	81.6	81.6	82.3	82.7	82.9	83.3	83.3	83.3	83.3	83.3	83.3
≥15	47.3	79.5	80.4	81.5	82.4	82.6	83.0	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥10	44.7	81.9	83.1	84.2	85.4	85.6	86.3	86.8	87.4	87.6	87.6	87.6	87.6	87.6	87.6
≥7.5	49.5	83.3	84.6	85.7	86.9	87.2	88.1	88.6	89.5	89.7	89.7	89.7	89.7	89.7	89.7
≥5	49.8	83.8	85.1	86.1	87.4	87.7	88.7	89.7	90.4	90.6	90.8	90.8	90.8	90.8	90.8
≥2.5	49.8	84.0	85.3	86.3	87.7	88.2	89.1	90.1	90.9	91.1	91.2	91.2	91.2	91.2	91.2
≥1.5	50.1	85.3	86.6	87.6	89.4	89.8	91.6	92.6	93.3	93.8	93.9	93.9	93.9	93.9	93.9
≥1	50.1	85.6	86.9	88.0	89.8	90.2	92.2	93.2	94.0	94.4	94.5	94.5	94.5	94.5	94.5
≥0.75	50.1	85.9	87.2	88.6	90.8	91.6	94.0	95.2	96.1	97.1	97.5	97.5	97.5	97.5	97.5
≥0.5	50.1	85.9	87.2	88.6	90.8	91.6	94.0	95.3	96.2	97.6	98.4	98.4	98.4	98.4	98.4
≥0.25	50.1	85.9	87.2	88.6	90.8	91.6	94.0	95.5	96.5	97.8	98.7	98.7	98.7	98.7	98.7
≥0.1	50.1	86.0	87.3	88.7	90.9	91.7	94.1	95.6	96.6	98.0	98.8	98.8	98.8	98.8	98.8
≥0.05	50.2	86.0	87.3	88.7	90.9	91.7	94.1	95.6	96.6	98.0	98.9	98.9	98.9	98.9	98.9
≥0.01	50.2	86.0	87.3	88.7	90.9	91.7	94.1	95.6	96.6	98.0	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION CALENA AFS AK STATION NAME 73-62 YEAR 1951

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

6682-6686

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
≥2000	26.1	27.7	29.1	26.0	29.0	26.0	28.1	28.1	28.7	28.2	29.4	29.4	28.5	26.7	28.3	26.6
≥1800	27.9	29.2	29.5	29.5	29.5	29.5	29.6	29.7	29.9	29.9	30.1	30.1	30.2	30.4	30.5	30.6
≥1600	27.8	29.8	30.0	30.0	30.0	30.0	30.1	30.2	30.4	30.4	30.6	30.6	30.8	31.0	31.1	31.2
≥1400	27.4	29.8	30.0	30.0	30.0	30.0	30.1	30.2	30.4	30.4	30.6	30.6	30.8	31.0	31.1	31.2
≥1200	28.3	30.2	30.4	30.4	30.4	30.4	30.5	30.6	30.9	30.9	31.1	31.1	31.2	31.4	31.5	31.6
≥1000	28.9	30.8	31.0	31.0	31.0	31.0	31.1	31.2	31.4	31.5	31.7	31.7	31.8	32.0	32.2	32.3
≥800	32.4	34.7	35.1	35.1	35.1	35.1	35.2	35.3	35.5	35.6	35.9	35.9	36.0	36.2	36.3	36.5
≥600	32.4	35.1	35.4	35.4	35.4	35.4	35.5	35.6	35.8	35.9	36.2	36.2	36.3	36.6	36.7	36.8
≥400	36.4	39.5	39.9	39.9	39.9	39.9	40.0	40.1	40.3	40.4	40.8	40.8	40.9	41.1	41.2	41.3
≥200	41.8	44.8	45.3	45.3	45.4	45.4	45.5	45.6	46.0	46.1	46.5	46.5	46.6	46.8	46.9	47.0
≥1000	44.1	46.4	48.7	48.9	49.0	49.0	49.1	49.6	49.8	49.9	50.2	50.2	50.3	50.5	50.6	50.8
≥800	51.0	55.7	56.2	56.2	56.5	56.6	56.6	57.3	57.5	57.7	58.1	58.1	58.2	58.4	58.5	58.6
≥600	52.9	58.1	58.6	58.6	58.8	58.9	59.2	59.7	59.9	60.1	60.4	60.4	60.5	60.8	60.9	61.0
≥400	57.1	63.1	63.7	63.8	64.1	64.2	64.6	65.2	65.4	65.6	65.9	65.9	66.0	66.2	66.3	66.5
≥200	59.6	66.1	66.7	67.0	67.3	67.4	67.8	68.4	68.6	68.9	69.2	69.2	69.4	69.6	69.7	69.8
≥1000	61.6	69.3	69.6	70.1	70.4	70.5	71.0	71.6	71.8	72.2	72.6	72.6	72.7	72.9	73.0	73.1
≥800	63.4	71.9	72.5	73.4	73.9	74.1	74.5	75.2	75.4	75.7	76.1	76.1	76.2	76.5	76.6	76.7
≥600	66.9	76.3	77.4	78.6	79.1	79.6	80.1	80.9	81.2	81.5	81.9	81.9	82.0	82.3	82.4	82.5
≥400	67.7	76.9	78.0	79.1	79.7	80.1	80.6	81.4	81.7	82.2	82.6	82.6	82.7	82.9	83.0	83.1
≥200	68.4	78.9	80.1	81.3	81.8	82.3	83.2	84.2	84.6	85.5	86.0	86.0	86.1	86.3	86.5	86.6
≥1000	69.9	80.2	81.6	82.8	83.4	84.1	85.2	86.5	86.9	87.7	88.3	88.3	88.4	88.6	88.8	88.9
≥800	69.7	81.1	82.5	83.7	84.4	85.2	86.5	87.7	88.2	89.2	90.0	90.0	90.1	90.3	90.5	90.6
≥600	70.0	81.4	82.9	84.1	84.8	85.6	87.0	88.5	89.0	90.1	90.9	90.9	91.0	91.2	91.4	91.5
≥400	70.3	81.7	83.2	84.4	85.2	85.9	87.6	89.4	89.9	91.0	91.5	91.8	91.9	92.2	92.4	92.5
≥200	70.5	82.3	84.0	85.2	86.0	86.8	88.6	90.4	91.0	92.2	93.0	93.1	93.2	93.4	93.7	93.8
≥1000	70.6	82.7	84.4	85.7	86.7	87.4	89.5	91.3	91.8	93.3	94.4	94.5	94.6	94.8	95.1	95.2
≥800	70.6	83.3	84.7	86.0	87.0	88.0	90.1	92.3	92.9	94.8	95.9	96.0	96.2	96.5	96.7	96.8
≥600	70.6	83.2	84.9	86.2	87.2	88.2	90.5	92.9	93.5	95.5	97.0	97.3	98.0	98.2	98.5	98.6
≥400	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.6	98.0	98.6	98.8	99.1	99.2
≥200	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.6	98.0	98.7	98.9	99.2	99.5
≥1000	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.7	98.2	98.9	99.1	99.5	100.0
≥800	70.6	83.2	85.1	86.6	87.5	88.5	90.9	93.4	94.1	96.1	97.7	98.2	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 636

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AX STATION NAME

73-52 YEARS

067

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM 1-1-59

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.2	≥.15	≥.1	≥.05	≥.01
NO CEILING	28.4	29.7	29.7	28.6	28.8	28.6	28.8	28.8	28.8	28.8	28.9	28.9	29.0	29.0	29.0	29.0
1-2000	31.4	31.8	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.3	32.3	32.3	32.3
1-1800	32.4	33.4	33.7	33.8	33.8	33.6	33.6	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9
2-1800	33.7	34.3	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.6	34.6	34.7	34.7	34.7	34.7
2-1600	34.1	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	35.1	35.1	35.2	35.2	35.2	35.2
2-1400	37.4	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.1	39.2	39.2	39.2
2-1200	38.5	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.7	39.8	39.9	39.9	39.9
2-1000	43.4	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.2	45.3	45.3	45.4	45.5	45.5
2-800	49.2	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.9	51.0	51.0	51.2	51.3	51.3
2-600	52.9	54.7	54.9	55.1	55.1	55.1	55.1	55.2	55.2	55.7	55.8	55.8	56.0	56.1	56.1	56.1
2-400	57.4	59.4	59.8	59.9	60.1	60.2	60.2	60.3	60.5	61.2	61.3	61.3	61.5	61.6	61.6	61.6
2-200	59.7	61.6	62.0	62.2	62.5	62.6	62.7	62.8	63.0	63.7	63.8	63.8	64.0	64.1	64.1	64.1
1-1800	62.3	63.7	64.3	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
1-1600	64.7	68.5	69.1	69.2	69.9	70.0	70.5	70.8	71.1	71.9	72.4	72.4	72.6	72.7	72.7	72.7
1-1400	67.7	71.4	72.2	72.4	73.0	73.1	73.8	74.3	74.6	75.0	76.0	76.0	76.2	76.3	76.3	76.3
1-1200	73.8	74.8	75.4	75.9	76.7	76.8	77.5	78.1	78.4	79.4	79.8	79.8	80.0	80.1	80.1	80.1
1-1000	74.7	79.2	80.2	80.8	81.8	81.9	82.8	83.3	83.8	84.9	85.4	85.4	85.6	85.7	85.7	85.7
1-800	75.2	79.8	80.8	81.3	82.4	82.5	83.3	83.9	84.3	85.5	85.9	85.9	86.1	86.2	86.2	86.2
1-600	76.5	81.3	82.3	83.0	84.1	84.4	85.3	85.8	86.2	87.5	88.0	88.0	88.3	88.4	88.4	88.4
1-400	76.9	82.2	83.2	84.1	85.7	86.0	86.9	87.4	87.8	89.1	89.7	89.7	90.0	90.1	90.1	90.1
1-200	77.4	83.0	84.1	84.9	86.6	87.0	88.2	88.9	89.4	90.8	91.6	91.6	91.9	92.0	92.0	92.0
100	77.6	83.2	84.3	85.2	86.8	87.2	88.5	89.2	89.7	91.1	91.9	91.9	92.3	92.4	92.4	92.4
50	78.7	83.7	84.7	85.7	87.3	87.7	89.0	89.8	90.4	91.9	93.0	93.0	93.3	93.4	93.4	93.4
20	79.1	84.3	85.4	86.3	88.1	88.5	89.9	90.9	91.5	93.1	94.4	94.4	94.7	94.8	95.1	95.1
10	79.3	85.0	86.0	87.0	89.7	90.1	91.6	92.6	93.2	94.9	96.2	96.2	96.6	96.7	96.9	96.9
5	79.4	86.2	87.3	88.3	90.1	90.6	92.2	93.2	94.0	95.9	97.4	97.4	97.7	97.8	98.1	98.1
2	79.4	86.2	87.3	88.3	90.1	90.6	92.3	93.3	94.1	96.2	98.4	98.4	98.7	99.0	99.4	99.4
1	79.4	86.2	87.3	88.3	90.1	90.6	92.3	93.3	94.1	96.2	98.5	98.5	98.8	99.2	99.6	99.6
0	79.4	86.2	87.3	88.3	90.1	90.6	92.4	93.4	94.2	96.3	98.6	98.6	98.9	99.5	99.9	99.9
0	79.4	86.2	87.3	88.3	90.1	90.6	92.4	93.4	94.2	96.3	98.6	98.6	98.9	99.5	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 7-2220 CALENA AFS AK STATION NAME: 73-82 YEAR: 1967

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥8000	35.1	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥6000	36.4	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥4000	37.1	37.3	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥2000	38.1	38.2	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥1000	39.6	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥500	43.1	43.7	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥200	44.3	44.8	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥100	49.0	50.0	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥75	54.0	55.1	55.3	55.3	55.4	55.6	55.6	55.6	55.6	56.1	56.1	56.1	56.2	56.2	56.2	56.2
≥50	55.7	57.5	57.8	57.8	58.0	58.1	58.4	58.4	58.4	59.1	59.2	59.2	59.4	59.4	59.4	59.4
≥25	60.8	62.5	61.1	61.1	61.3	61.4	61.8	61.9	62.0	62.8	62.9	62.9	63.0	63.0	63.0	63.0
≥15	63.1	65.2	65.8	65.8	66.0	66.1	66.7	66.9	67.0	67.7	67.8	67.8	68.0	68.0	68.0	68.0
≥10	66.8	69.0	69.7	69.7	69.9	70.0	70.5	70.8	70.9	71.6	71.7	71.7	71.8	71.8	71.8	71.8
≥7.5	69.9	72.3	73.0	73.0	73.2	73.3	74.0	74.2	74.3	75.1	75.2	75.2	75.3	75.4	75.5	75.5
≥5	72.7	75.6	76.5	76.5	76.8	76.9	77.5	77.7	77.8	78.8	78.9	78.9	79.0	79.1	79.2	79.2
≥2.5	75.3	78.9	80.0	80.0	81.0	81.1	82.0	82.3	82.4	83.5	83.8	83.8	83.9	84.0	84.1	84.1
≥1.5	76.1	79.8	81.0	81.4	82.0	82.2	83.1	83.3	83.4	84.6	84.8	84.8	84.9	85.1	85.2	85.2
≥1	77.5	81.3	82.7	83.1	83.6	84.0	85.1	85.4	85.6	87.4	87.6	87.6	87.7	87.8	88.0	88.0
≥0.75	79.4	83.1	84.5	84.9	85.7	86.0	87.2	88.0	88.2	90.0	90.3	90.3	90.4	90.5	90.6	90.6
≥0.5	80.0	83.8	85.3	85.8	86.9	87.2	88.5	89.2	89.7	91.6	92.3	92.3	92.4	92.5	92.6	92.6
≥0.25	80.3	84.1	85.6	86.3	87.3	87.6	88.9	89.7	90.2	92.2	92.8	92.8	92.9	93.0	93.1	93.1
≥0.15	80.5	84.3	85.8	86.6	87.5	87.8	89.1	89.9	90.4	92.6	93.5	93.5	93.7	93.8	93.9	93.9
≥0.1	81.8	85.8	87.4	88.3	89.5	89.8	91.3	92.0	92.7	95.3	96.2	96.2	96.3	96.5	96.6	96.6
≥0.075	82.2	86.6	88.2	89.0	90.3	90.6	92.2	92.9	93.5	96.2	97.2	97.2	97.3	97.4	97.5	97.5
≥0.05	82.4	87.1	88.8	89.7	91.1	91.5	93.0	93.8	94.4	97.2	98.2	98.3	98.5	98.6	98.7	98.7
≥0.025	82.5	87.3	89.1	89.9	91.3	91.7	93.3	94.1	94.7	97.5	99.0	99.1	99.6	99.7	99.8	99.8
≥0.015	82.5	87.3	89.1	90.0	91.4	91.8	93.4	94.2	94.8	97.7	99.2	99.4	99.8	99.9	100.0	100.0
≥0.01	82.5	87.3	89.1	90.0	91.4	91.8	93.4	94.2	94.8	97.7	99.2	99.4	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 870

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-67 YEAR

051

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
800	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0
700	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
600	35.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2
500	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
400	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	37.7	37.0	37.0	37.0	37.0	37.0	37.0
300	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3
200	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5
100	45.1	48.3	48.3	48.4	48.4	48.4	48.4	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9
80	52.6	52.9	52.9	53.0	53.0	53.0	53.0	53.2	53.3	53.5	53.7	53.9	53.9	53.9	53.9	53.9
60	53.5	53.9	53.9	54.0	54.0	54.0	54.2	54.4	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8
40	56.7	59.1	59.4	59.5	59.5	59.5	59.7	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3
20	61.4	61.9	62.2	62.3	62.3	62.3	62.5	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1
10	64.3	65.3	65.5	65.6	65.6	65.6	65.8	66.0	66.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6
5	69.1	69.5	69.9	70.0	70.0	70.1	70.3	70.5	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1
3	70.9	72.4	72.4	73.1	73.4	73.9	74.3	74.7	74.9	75.2	75.3	75.3	75.3	75.3	75.3	75.3
2	73.7	76.0	75.9	75.9	77.2	77.6	78.1	78.5	78.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2
1	76.1	79.9	80.8	81.1	82.0	82.6	83.3	84.2	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1
800	76.9	80.4	81.4	81.9	82.7	83.2	84.0	84.9	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8
700	78.1	81.8	82.9	83.4	84.2	84.7	85.5	86.6	87.2	88.0	88.1	88.1	88.1	88.1	88.1	88.1
600	79.9	83.9	85.1	85.8	86.9	87.4	88.3	89.6	90.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3
500	80.5	85.1	86.2	87.1	88.1	88.8	89.9	91.2	91.9	92.7	93.0	93.0	93.0	93.0	93.0	93.0
400	80.8	85.4	86.6	87.5	88.8	89.4	90.4	91.7	92.6	93.3	93.7	93.8	93.8	93.8	93.8	93.8
300	81.1	85.6	86.8	87.8	89.1	89.7	90.8	92.0	92.9	93.7	94.1	94.3	94.3	94.3	94.3	94.3
200	82.1	86.8	88.1	89.0	90.3	90.9	91.9	93.3	94.2	95.3	95.7	95.9	95.9	95.9	95.9	95.9
100	82.0	87.1	88.3	89.4	90.6	91.2	92.3	93.7	94.5	95.6	96.1	96.3	96.3	96.3	96.3	96.3
80	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9
60	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9
40	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9
20	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9
10	82.4	87.7	89.0	90.1	91.6	92.2	93.8	95.2	96.6	98.1	99.5	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 STATION NAME SALENA AFS AK

73-62 YEAR 1957

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	20	20	20	20	20	20	20	20
20000	27.0	33.4	33.5	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
18000	28.9	35.5	35.6	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
16000	30.3	37.0	37.1	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
14000	32.4	37.1	37.2	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
12000	30.4	37.8	37.9	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
10000	31.9	39.1	39.1	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
8000	34.9	42.3	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
6000	35.1	42.6	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
4000	38.9	47.7	47.8	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
2000	42.5	52.2	52.3	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
1000	44.4	55.1	55.2	55.5	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
500	49.0	61.4	61.8	62.2	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
250	50.4	62.9	63.3	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
100	53.4	67.1	67.7	68.2	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
50	55.6	70.6	71.9	72.4	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
25	57.6	73.3	74.6	75.4	76.0	76.2	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
10	59.5	76.7	79.2	79.1	79.8	80.0	80.2	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
5	61.1	80.6	82.2	83.3	84.4	84.6	85.7	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
2	61.3	81.3	82.8	84.0	85.1	85.3	86.3	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
1	62.5	83.2	84.8	86.2	87.8	88.1	89.1	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.3
0.5	63.1	84.7	86.5	88.2	89.8	90.0	91.2	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
0.25	63.4	84.9	86.7	88.5	90.2	90.4	91.9	92.8	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.7
0.1	63.9	85.4	87.1	88.9	90.6	90.9	92.5	93.4	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.5
0.05	63.8	85.4	87.1	88.9	90.6	90.9	92.5	93.4	93.9	94.3	94.4	94.4	94.4	94.4	94.4	94.5
0.025	64.0	85.7	87.4	89.2	91.2	91.4	93.0	94.0	94.4	95.1	95.3	95.3	95.3	95.3	95.3	95.4
0.01	64.2	86.2	88.7	89.8	91.7	91.9	93.5	94.7	95.2	95.8	96.1	96.1	96.1	96.1	96.1	96.2
0.005	64.4	87.1	88.8	90.6	92.7	92.9	95.1	96.2	96.9	98.3	98.6	98.7	98.7	98.7	98.7	98.8
0.0025	64.4	87.2	88.9	90.8	92.8	93.0	95.3	96.8	97.4	98.8	99.5	99.6	99.7	99.7	99.7	99.8
0.001	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.9	99.9	99.9	100.0
0.0005	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.9	99.9	99.9	100.0
0.00025	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.9	99.9	99.9	100.0
0.0001	64.4	87.2	88.9	90.8	92.9	93.1	95.4	96.9	97.5	98.9	99.6	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 ALENA AFS AK STATION NAME

13-82 YEAR

05T

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES																
	20	20	25	24	23	22	22	21	21	21	20	20	20	25/0	20	20	
NO FLYING	23.1	35.3	35.4	36.0	36.1	36.1	36.2	36.2	35.2	36.3	36.3	36.3	36.3	35.5	36.5	36.6	36.6
2 2000	24.2	36.3	37.3	37.5	37.6	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8	38.0	38.0	38.1	38.1
2 800	24.9	37.4	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.6	38.6	38.7	38.7
2 600	24.9	37.4	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.6	38.6	38.7	38.7
2 400	24.4	37.7	38.3	38.5	38.6	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.9	38.9	39.0	39.0
2 200	25.3	38.4	38.9	39.1	39.2	39.2	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.6	39.6	39.7	39.7
2 1000	27.0	40.9	41.3	41.5	41.6	41.6	41.7	41.9	41.9	42.0	42.0	42.0	42.0	42.2	42.2	42.3	42.3
2 800	27.5	41.4	41.7	42.2	42.3	42.3	42.4	42.6	42.6	42.7	42.7	42.7	42.7	42.8	42.8	42.9	42.9
2 600	35.4	46.3	47.1	47.3	47.4	47.4	47.5	47.7	47.7	47.8	47.8	47.8	47.8	48.0	48.0	48.1	48.1
2 400	34.5	51.6	52.4	52.6	52.7	52.7	52.8	53.0	53.0	53.1	53.1	53.1	53.1	53.2	53.2	53.3	53.3
2 200	35.4	51.8	56.7	56.9	57.0	57.0	57.1	57.3	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.6	57.6
2 1000	36.9	52.9	60.9	61.1	61.2	61.2	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.7	61.8	61.8
2 800	38.2	61.3	62.3	62.6	62.8	62.8	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.4	63.4
2 600	41.1	65.4	66.5	66.8	67.1	67.1	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.9	67.9
2 400	43.4	69.6	70.8	71.1	71.5	71.5	71.8	72.0	72.0	72.2	72.2	72.2	72.2	72.3	72.3	72.4	72.4
2 200	44.7	71.9	73.4	74.0	74.6	74.7	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.7	75.7
2 1000	45.6	74.3	75.9	76.6	77.6	77.7	78.5	79.2	79.2	79.4	79.4	79.4	79.4	79.5	79.5	79.6	79.6
2 800	47.5	79.1	81.4	82.2	83.3	83.4	84.3	85.2	85.4	85.6	85.6	85.6	85.6	85.7	85.7	85.8	85.8
2 600	47.8	79.9	82.2	82.9	84.2	84.3	85.2	86.1	86.2	86.5	86.5	86.5	86.5	86.6	86.6	86.7	86.7
2 400	48.6	81.7	84.7	85.5	87.0	87.1	88.3	89.8	89.2	89.5	89.5	89.5	89.5	89.6	89.6	89.7	89.7
2 200	49.9	83.5	86.7	87.6	89.1	89.4	90.4	91.8	92.3	92.5	92.5	92.5	92.5	92.6	92.6	92.7	92.7
2 1000	49.6	83.8	86.9	87.8	89.4	89.7	90.9	92.3	92.8	93.2	93.2	93.2	93.2	93.3	93.3	93.4	93.4
2 800	49.9	84.1	87.3	88.3	89.9	90.2	91.4	92.8	93.3	93.8	93.8	93.8	93.8	93.9	93.9	94.0	94.0
2 600	49.9	84.1	87.3	88.3	89.9	90.2	91.5	92.9	93.5	94.1	94.1	94.1	94.1	94.2	94.2	94.3	94.3
2 400	50.0	84.4	88.3	88.9	90.5	90.9	92.3	93.7	94.4	95.1	95.2	95.2	95.2	95.3	95.3	95.4	95.4
2 200	50.3	84.9	88.5	89.5	91.1	91.4	92.8	94.3	95.1	95.7	95.8	95.8	95.8	95.9	95.9	96.0	96.0
2 1000	50.3	85.4	89.0	90.1	92.0	92.5	94.0	95.6	96.6	97.7	98.1	98.1	98.1	98.2	98.2	98.5	98.5
2 800	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8	99.8
2 600	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8	99.8
2 400	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8	99.8
2 200	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8	99.8
2 1000	50.5	85.4	89.4	90.4	92.4	92.8	94.4	96.3	97.4	98.7	99.4	99.4	99.4	99.5	99.5	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 73220 CALENA AFS AK STATION NAME: 73-82 YEAR: 1967

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
NO. OF OBS.	26.1	31.9	37.0	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.5	32.6	32.6
≥20000	26.6	34.6	34.8	34.9	35.0	35.7	35.0	35.0	35.1	35.1	35.1	35.1	35.2	35.3	35.4	35.4
≥18000	29.9	35.7	35.9	36.0	36.1	36.1	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.4	36.5	36.6
≥16000	29.6	35.8	36.0	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.4	36.4	36.5	36.5	36.6	36.7
≥14000	30.0	36.3	36.5	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.1	37.2
≥12000	30.8	37.1	37.2	37.4	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.7	37.8	37.9	37.9
≥10000	33.9	40.5	40.7	40.8	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.2	41.3	41.4	41.4
≥9000	34.2	41.7	41.2	41.3	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.8	41.9	41.9
≥8000	38.1	45.7	46.0	46.2	46.3	46.3	46.3	46.4	46.5	46.6	46.7	46.7	46.7	46.8	46.9	47.0
≥7000	42.3	50.7	51.0	51.1	51.3	51.3	51.4	51.5	51.6	51.7	51.8	51.8	51.9	52.0	52.1	52.2
≥6000	44.1	53.7	54.0	54.2	54.3	54.3	54.5	54.7	54.7	54.9	55.0	55.0	55.1	55.2	55.3	55.4
≥5000	47.9	58.6	59.1	59.3	59.5	59.5	59.7	59.9	60.0	60.2	60.3	60.3	60.4	60.5	60.6	60.7
≥4500	49.6	60.6	61.1	61.3	61.6	61.6	61.8	62.0	62.1	62.3	62.4	62.5	62.6	62.7	62.8	62.8
≥4000	52.6	64.8	65.3	65.7	66.0	66.1	66.3	66.6	66.7	67.0	67.1	67.1	67.2	67.3	67.4	67.4
≥3500	55.4	68.8	69.5	69.9	70.3	70.4	70.7	71.0	71.1	71.4	71.5	71.5	71.6	71.7	71.8	71.9
≥3000	57.5	71.9	72.7	73.2	73.8	73.9	74.3	74.7	74.8	75.1	75.3	75.3	75.3	75.4	75.6	75.6
≥2500	59.4	74.9	75.8	76.5	77.1	77.3	77.8	78.2	78.4	78.8	78.9	78.9	79.0	79.1	79.2	79.3
≥2000	61.7	79.1	80.3	81.2	82.1	82.3	83.0	83.6	83.8	84.3	84.5	84.5	84.6	84.7	84.8	84.9
≥1800	62.2	79.7	80.9	81.8	82.8	83.0	83.7	84.3	84.6	85.1	85.3	85.3	85.3	85.4	85.6	85.6
≥1600	63.4	81.5	83.0	83.9	85.0	85.3	86.1	86.8	87.2	87.9	88.1	88.2	88.3	88.5	88.5	88.5
≥1400	64.3	83.2	84.7	85.8	87.0	87.4	88.3	89.2	89.7	90.4	90.7	90.7	90.8	90.9	91.0	91.1
≥1200	64.9	83.8	85.3	86.5	87.8	88.2	89.3	90.3	90.8	91.7	92.0	92.0	92.2	92.3	92.4	92.5
≥1000	65.0	84.1	85.7	86.8	88.2	88.6	89.8	90.8	91.4	92.2	92.6	92.6	92.8	92.9	93.0	93.1
≥800	65.2	84.4	86.7	87.1	88.5	88.9	90.2	91.3	91.9	92.8	93.3	93.3	93.5	93.5	93.7	93.6
≥700	65.6	85.1	86.9	87.9	89.5	89.9	91.3	92.5	93.1	94.2	94.7	94.8	94.9	95.0	95.1	95.2
≥600	65.8	85.7	87.4	88.4	90.2	90.6	92.1	93.3	94.0	95.1	95.7	95.8	95.9	96.0	96.1	96.2
≥500	65.9	86.1	87.9	89.1	90.9	91.4	93.2	94.5	95.4	96.9	97.6	97.7	97.9	98.0	98.2	98.2
≥400	66.0	86.2	88.0	89.3	91.0	91.6	93.5	94.9	95.8	97.5	98.7	98.9	99.1	99.2	99.4	99.5
≥300	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	98.9	99.1	99.4	99.5	99.7	99.7
≥200	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	98.9	99.1	99.4	99.5	99.7	99.7
≥100	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	98.9	99.1	99.4	99.5	99.7	99.7
≥0	66.0	86.2	88.1	89.4	91.1	91.7	93.6	95.1	96.0	97.7	98.9	99.1	99.4	99.5	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 7440

FEDERAL BUREAU OF SURVEY  
 CELESTIAL NAVIGATION  
 AIR FORCE SERVICE/AFAC

# CEILING VERSUS VISIBILITY

7-225-1000 WALLEN AFB TX STATION NAME

73-62 YEAR

1954

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-300-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14		
NO. CEILING	27.6	44.3	45.1	45.8	46.2	46.2	46.4	46.4	46.6	47.1	47.1	47.2	47.2	47.3	47.3	47.3
2 20000	29.7	47.3	48.1	48.7	49.1	49.1	49.3	49.3	49.4	50.0	50.0	50.1	50.1	50.2	50.2	50.2
2 18000	30.3	48.4	49.1	49.8	50.2	50.2	50.4	50.4	50.6	51.1	51.1	51.2	51.2	51.3	51.3	51.3
2 16000	30.3	48.4	49.1	49.9	50.3	50.3	50.6	50.6	50.7	51.2	51.2	51.3	51.3	51.4	51.4	51.4
2 14000	30.4	48.9	49.6	50.2	50.7	50.6	51.0	51.0	51.1	51.7	51.7	51.8	51.8	51.9	51.9	51.9
2 12000	30.4	48.8	49.6	50.2	50.7	50.6	51.0	51.0	51.1	51.7	51.7	51.8	51.8	51.9	51.9	51.9
2 10000	32.0	51.2	52.7	52.7	53.1	53.2	53.6	53.6	53.7	54.2	54.2	54.3	54.3	54.4	54.4	54.4
2 8000	32.0	51.2	52.7	52.8	53.2	53.3	53.7	53.7	53.8	54.3	54.3	54.4	54.4	54.6	54.6	54.6
2 6000	33.7	53.9	54.6	55.2	55.7	55.8	56.1	56.1	56.3	57.0	57.0	57.1	57.1	57.2	57.2	57.2
2 5000	35.4	57.3	57.8	58.4	59.2	59.3	59.7	59.8	60.3	60.7	60.7	60.8	60.8	60.9	60.9	60.9
2 4000	36.2	59.6	60.4	61.1	62.7	62.1	62.4	62.6	62.8	63.4	63.4	63.6	63.6	63.7	63.7	63.7
2 3000	39.0	64.1	65.0	65.9	67.1	67.2	67.8	67.9	68.1	68.9	68.9	69.0	69.0	69.1	69.1	69.1
2 2000	38.1	65.1	66.0	66.9	68.1	68.2	68.8	68.9	69.1	69.9	69.9	70.0	70.0	70.1	70.1	70.1
2 1500	39.9	68.4	69.7	70.7	72.2	72.3	73.1	73.6	73.8	74.7	74.7	74.8	74.8	74.9	74.9	74.9
2 1000	39.3	71.2	72.7	73.9	75.6	76.1	76.9	77.3	77.7	78.7	78.7	78.8	78.8	78.9	78.9	78.9
2 750	40.1	74.2	75.9	77.3	79.0	79.7	80.8	81.3	81.9	82.8	82.8	82.9	82.9	83.0	83.0	83.0
2 500	40.2	75.3	77.1	78.6	80.3	81.1	82.4	83.0	83.4	84.4	84.4	84.6	84.6	84.7	84.7	84.7
2 300	41.0	78.2	80.1	82.2	84.2	85.2	86.6	87.4	87.9	88.9	89.2	89.3	89.3	89.4	89.4	89.4
2 150	41.1	79.1	80.9	83.3	85.3	86.4	88.1	88.8	89.2	90.2	90.6	90.7	90.8	90.9	90.9	90.9
2 100	41.1	79.4	81.6	84.3	86.7	88.0	89.8	90.9	91.3	92.3	92.7	92.8	92.9	93.0	93.0	93.0
2 75	41.1	80.2	82.3	85.2	87.8	89.1	91.0	92.2	92.9	94.0	94.3	94.6	94.7	94.8	94.8	94.8
2 50	41.1	80.1	82.4	85.4	88.0	89.3	91.3	92.7	93.7	94.8	95.1	95.3	95.4	95.6	95.6	95.6
2 30	41.1	80.3	82.4	85.4	88.0	89.3	91.3	92.7	93.7	94.8	95.1	95.3	95.4	95.6	95.6	95.6
2 15	41.1	80.8	82.9	85.9	88.4	89.9	91.9	93.2	94.2	95.3	95.7	95.9	96.0	96.1	96.1	96.1
2 10	41.1	81.1	83.2	86.2	88.9	90.3	92.3	93.7	94.7	95.8	96.6	96.8	96.9	97.0	97.0	97.0
2 7.5	41.1	81.1	83.4	86.4	89.1	90.6	92.6	93.9	94.9	96.0	96.8	97.0	97.1	97.2	97.2	97.2
2 5	41.2	82.0	84.1	87.2	89.9	91.3	93.4	94.8	95.8	97.1	98.0	98.2	98.3	98.4	98.4	98.4
2 3	41.2	82.0	84.1	87.2	89.9	91.3	93.4	94.8	95.8	97.1	98.0	98.3	98.4	98.6	98.6	98.6
2 2	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.7	98.7	99.2	99.3	99.4	99.4	99.4
2 1.5	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.8	98.9	99.4	99.6	99.7	99.7	99.7
2 1	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.8	99.0	99.6	99.7	99.9	99.9	99.9
2 0.75	41.3	82.1	84.2	87.3	90.0	91.4	93.6	94.9	96.1	97.9	99.1	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 990

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 225 GALENA AFS AK STATION NAME

73-62 YEAR

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-2500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.6	43.4	43.7	44.6	45.0	45.0	45.0	45.1	45.4	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥20000	27.7	46.2	46.4	47.3	47.8	47.8	47.8	47.9	48.2	48.7	48.8	48.8	48.8	48.8	48.8	48.8
≥18000	28.2	46.9	47.1	48.0	48.4	48.4	48.4	48.6	48.9	49.3	49.4	49.4	49.4	49.4	49.4	49.4
≥16000	28.4	47.1	47.3	48.2	48.7	48.7	48.7	48.8	49.1	49.6	49.7	49.7	49.7	49.7	49.7	49.7
≥14000	28.6	47.2	47.4	48.3	48.8	48.8	48.8	48.9	49.2	49.7	49.8	49.8	49.8	49.8	49.8	49.8
≥12000	28.7	47.8	48.0	48.9	49.3	49.3	49.3	49.4	49.6	50.2	50.3	50.3	50.3	50.3	50.3	50.3
≥10000	30.0	50.4	50.7	51.6	52.0	52.0	52.0	52.1	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0
≥8000	30.9	51.3	51.6	52.4	53.0	53.0	53.0	53.1	53.4	53.9	54.0	54.0	54.0	54.0	54.0	54.0
≥6000	32.0	53.3	53.6	54.4	55.1	55.1	55.1	55.2	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1
≥4000	34.1	55.7	55.9	56.6	57.6	57.6	57.6	57.7	58.0	58.4	58.6	58.6	58.6	58.6	58.6	58.6
≥2000	35.2	58.4	58.7	59.7	60.6	60.6	60.6	60.7	61.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7
≥1000	37.1	63.7	63.8	64.2	65.4	65.4	65.4	65.6	65.9	66.4	66.6	66.6	66.6	66.6	66.6	66.6
≥500	37.1	63.4	63.9	64.9	66.3	66.3	66.4	66.6	66.9	67.4	67.6	67.6	67.6	67.6	67.6	67.6
≥250	37.7	67.2	68.1	69.1	70.8	70.8	70.8	71.2	71.6	72.1	72.2	72.2	72.2	72.2	72.2	72.2
≥150	33.1	69.9	70.9	72.4	74.3	74.4	74.6	74.9	75.2	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥100	38.9	72.2	73.3	75.4	77.4	77.6	77.7	78.0	78.4	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥75	39.3	73.7	74.9	77.0	79.0	79.1	79.4	80.0	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1
≥50	40.1	77.2	78.7	81.3	83.7	83.8	84.1	84.8	85.3	86.0	86.4	86.4	86.4	86.4	86.4	86.4
≥25	40.3	78.0	79.4	82.1	84.6	84.6	85.2	86.0	86.6	87.2	87.7	87.7	87.7	87.7	87.7	87.7
≥15	42.7	79.7	81.1	84.2	87.0	87.2	88.2	89.3	89.9	90.7	91.1	91.1	91.1	91.1	91.1	91.1
≥10	41.1	80.8	82.4	85.6	88.7	88.9	90.0	91.1	91.8	92.8	93.4	93.4	93.4	93.4	93.4	93.4
≥7.5	41.2	81.3	83.1	86.2	89.3	89.6	91.0	92.2	92.9	94.2	95.0	95.0	95.0	95.0	95.0	95.0
≥5	41.2	81.7	83.3	86.6	89.8	90.0	91.7	93.0	93.7	95.0	95.8	95.8	95.8	95.8	95.8	95.8
≥3.5	41.2	81.8	83.7	86.9	90.1	90.3	92.0	93.4	94.1	95.4	96.2	96.2	96.2	96.2	96.2	96.2
≥2.5	41.2	82.1	84.0	87.2	90.4	90.7	92.3	93.9	94.6	95.9	96.8	96.8	96.8	96.8	96.8	96.8
≥2	41.2	82.3	84.2	87.4	90.7	90.9	92.6	94.1	94.8	96.1	97.3	97.3	97.3	97.3	97.3	97.3
≥1.5	41.2	82.3	84.2	87.4	90.8	91.0	92.7	94.4	95.1	97.0	98.3	98.3	98.3	98.3	98.3	98.3
≥1	41.2	82.3	84.2	87.4	90.8	91.0	92.7	94.4	95.2	97.8	98.7	98.7	98.7	98.7	98.7	98.7
≥0.75	41.2	82.3	84.2	87.4	90.8	91.1	92.8	94.7	95.4	98.2	99.3	99.3	99.3	99.3	99.3	99.3
≥0.5	41.2	82.3	84.2	87.4	90.8	91.1	92.8	94.7	95.4	98.2	99.3	99.3	99.3	99.3	99.3	99.3
≥0.25	41.2	82.3	84.2	87.4	90.8	91.1	92.8	94.7	95.4	98.2	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH  
 SAFETY AC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

7-225 SALLINA AFS AK STATION NAME 73-62 YEAR 1954

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

6500-0600

ELEVATION FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
∞	51.4	42.1	42.6	42.7	44.0	44.0	44.7	44.1	44.2	44.3	44.6	44.8	45.0	45.0	45.0
20000	51.0	42.4	43.2	43.3	44.7	44.7	44.7	44.6	44.9	45.0	45.2	45.4	45.7	45.7	45.7
18000	31.3	43.6	44.0	44.1	45.4	45.4	45.4	45.6	45.7	45.8	46.0	46.2	46.4	46.4	46.4
16000	31.3	43.8	44.2	44.3	45.7	45.7	45.7	45.6	45.9	46.0	46.2	46.4	46.7	46.7	46.7
14000	32.6	44.4	44.9	45.0	46.3	46.3	46.3	46.4	46.6	46.7	46.9	47.1	47.3	47.3	47.3
12000	33.4	45.9	46.3	46.4	47.8	47.8	47.8	47.9	48.0	48.1	48.3	48.6	48.8	48.8	48.8
10000	35.7	48.6	49.7	49.1	50.4	50.4	50.4	50.6	50.7	50.8	51.0	51.2	51.4	51.4	51.4
8000	36.0	49.3	49.4	49.7	51.1	51.1	51.1	51.2	51.3	51.4	51.7	51.9	52.1	52.1	52.1
6000	37.7	52.1	52.6	52.8	54.2	54.2	54.2	54.3	54.4	54.6	54.8	55.0	55.2	55.2	55.2
4000	39.4	54.6	55.7	55.2	56.9	56.9	56.9	57.0	57.1	57.3	57.6	57.8	58.0	58.0	58.0
2000	40.7	56.8	57.2	57.6	59.2	59.2	59.2	59.4	59.7	59.9	60.1	60.3	60.6	60.6	60.6
1000	43.3	62.8	63.4	64.9	65.7	65.7	65.7	65.9	66.1	66.3	66.6	66.8	67.0	67.0	67.0
500	43.6	63.3	64.1	64.9	66.6	66.6	66.6	66.8	67.0	67.2	67.4	67.7	67.9	67.9	67.9
0	44.0	66.0	67.3	68.3	70.1	70.1	70.1	70.3	70.6	71.0	71.2	71.4	71.7	71.7	71.7
9000	45.3	69.3	70.3	71.6	73.3	73.4	73.4	73.7	74.1	74.3	74.6	74.8	75.0	75.0	75.0
8000	46.0	72.0	73.3	74.9	77.0	77.0	78.0	78.4	78.9	79.1	79.3	79.6	79.8	79.8	79.8
7000	46.6	74.0	75.4	77.4	80.2	80.6	80.8	81.3	81.8	82.0	82.2	82.4	82.7	82.7	82.7
6000	47.4	76.7	78.1	80.2	83.4	83.8	84.1	84.7	85.1	85.7	85.9	86.1	86.3	86.4	86.4
5000	47.6	77.2	78.7	80.8	84.2	84.6	84.9	85.4	86.0	86.6	86.8	87.0	87.2	87.2	87.3
4000	49.0	79.8	81.3	83.4	87.2	87.6	88.2	89.2	89.9	90.4	90.7	90.9	91.1	91.1	91.2
3000	49.0	80.9	82.6	84.8	88.8	89.1	90.0	91.1	91.9	92.7	92.9	93.1	93.3	93.3	93.4
2000	49.4	81.7	83.3	85.6	89.7	90.0	90.9	92.0	92.9	94.1	94.7	95.0	95.2	95.3	95.3
1000	49.7	82.0	83.7	85.9	90.1	90.4	91.4	92.7	93.6	95.0	95.6	95.9	96.1	96.2	96.2
500	49.8	82.3	84.4	86.7	90.9	91.2	92.2	93.7	94.6	96.0	96.6	96.9	97.1	97.1	97.2
0	49.8	82.6	84.7	86.9	91.1	91.4	92.4	93.9	94.8	96.2	96.8	97.1	97.3	97.3	97.4
9000	49.9	83.0	85.2	87.4	91.8	92.1	93.1	94.6	95.6	97.2	97.9	98.2	98.4	98.6	98.7
8000	49.9	83.0	85.2	87.4	91.8	92.1	93.1	94.7	95.7	97.3	98.0	98.3	98.6	98.7	98.8
7000	49.9	83.0	85.2	87.4	91.8	92.1	93.1	94.8	95.8	97.7	98.4	98.8	99.0	99.1	99.2
6000	49.9	83.1	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.6	99.1	99.3	99.4	99.9
5000	49.9	83.1	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.3	99.4	99.9
4000	49.9	83.1	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.4	99.4	100.0
3000	49.9	83.1	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.4	99.4	100.0
2000	49.9	83.1	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.4	99.4	100.0
1000	49.9	83.1	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.4	99.4	100.0
0	49.9	83.1	85.3	87.6	91.9	92.2	93.2	94.9	95.9	97.9	98.8	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-22C SALINA AFS AK STATION NAME

73-82 YEARS

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0-300-1136

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
≥2000	39.2	39.1	39.2	39.3	39.4	39.7	39.8	40.0	40.0	40.2	40.3	40.3	40.5	40.8	40.8	
≥1800	40.7	41.0	41.2	41.3	41.4	41.7	41.8	42.0	42.0	42.2	42.3	42.3	42.5	42.8	42.8	
≥1600	42.4	43.6	43.7	43.8	43.9	44.3	44.4	44.6	44.6	44.7	44.8	44.8	45.1	45.1	45.4	45.4
≥1400	42.7	43.9	44.0	44.2	44.3	44.6	44.7	44.9	44.9	45.1	45.2	45.2	45.4	45.4	45.7	45.7
≥1200	43.7	44.3	44.4	44.5	44.6	44.9	45.1	45.3	45.3	45.4	45.5	45.5	45.7	45.7	46.1	46.1
≥1000	44.6	45.8	45.9	46.1	46.2	46.5	46.6	46.8	46.8	46.9	47.1	47.1	47.3	47.3	47.6	47.6
≥900	48.3	49.7	49.8	49.9	50.1	50.4	50.5	50.7	50.7	50.8	50.9	50.9	51.2	51.2	51.5	51.5
≥800	48.4	49.8	49.9	50.1	50.2	50.5	50.6	50.8	50.8	50.9	51.1	51.1	51.3	51.3	51.6	51.6
≥700	51.4	52.9	53.1	53.2	53.3	53.6	53.7	53.9	53.9	54.1	54.3	54.3	54.5	54.5	54.8	54.8
≥600	53.5	55.3	55.5	55.6	55.7	56.1	56.3	56.5	56.5	56.6	56.8	56.8	57.1	57.1	57.4	57.4
≥500	54.4	56.7	57.1	57.1	57.2	57.5	57.7	58.0	58.1	58.2	58.4	58.4	58.6	58.6	59.0	59.0
≥450	58.2	60.6	61.2	61.5	61.7	62.2	62.5	62.8	63.2	63.3	63.5	63.5	63.7	63.7	64.1	64.1
≥400	63.4	66.3	67.2	67.7	68.3	68.9	69.3	69.7	70.1	70.3	70.5	70.5	70.7	70.7	71.1	71.1
≥350	67.7	70.7	71.7	72.3	73.2	73.7	74.3	74.7	75.1	75.3	75.5	75.5	75.8	75.8	76.1	76.1
≥300	69.2	73.6	74.9	75.6	76.5	77.1	77.8	78.5	79.9	79.2	79.4	79.6	79.6	80.3	80.0	
≥250	70.3	75.0	76.5	77.5	78.6	79.3	80.3	81.2	81.5	81.9	82.1	82.1	82.3	82.3	82.6	82.6
≥200	72.7	77.9	79.8	80.9	82.1	82.9	84.7	85.0	85.3	85.8	86.1	86.1	86.5	86.5	86.9	86.9
≥180	72.9	78.0	80.1	81.2	82.4	83.2	84.3	85.3	85.7	86.1	86.4	86.4	86.9	86.9	87.2	87.2
≥150	74.2	79.8	82.3	83.6	85.2	86.0	87.4	88.5	88.9	89.4	89.8	89.8	90.2	90.2	90.5	90.5
≥120	75.1	80.9	83.3	85.0	86.5	87.3	88.9	90.2	90.7	91.3	91.8	91.8	92.2	92.2	92.5	92.5
≥100	75.5	81.4	83.9	85.5	87.1	87.9	89.5	91.1	91.8	93.0	93.8	93.8	94.2	94.2	94.5	94.7
≥90	75.9	81.6	84.1	85.8	87.3	88.1	89.9	91.5	92.2	93.4	94.4	94.4	94.9	94.9	95.2	95.3
≥80	76.1	82.2	84.6	86.3	87.9	88.9	90.7	92.4	93.1	94.7	95.8	95.8	96.3	96.3	96.7	96.8
≥70	76.1	82.6	85.1	86.8	88.3	89.3	91.1	92.9	93.5	95.2	96.3	96.3	96.9	96.9	97.2	97.3
≥60	76.1	82.4	85.1	86.8	88.3	89.3	91.1	93.1	93.9	95.7	96.8	96.8	97.3	97.3	97.7	97.8
≥50	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.7	94.4	96.4	97.8	97.8	98.4	98.4	98.9	99.1
≥40	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.5	96.6	97.9	97.9	98.7	98.7	99.1	99.3
≥30	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.7	98.1	98.1	98.9	98.9	99.4	99.7
≥20	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.8	98.3	98.3	99.1	99.1	99.7	99.9
≥10	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.8	98.4	98.4	99.2	99.3	99.9	100.0
≥0	76.2	82.9	85.5	87.3	88.9	89.9	91.7	93.8	94.7	96.8	98.4	98.4	99.2	99.3	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-27-82 GALENA AFS AK STATION NAME 73-82 YEARS NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1230-1400

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	
NO CEILING	47.4	41.2	41.2	41.3	41.3	41.3	41.4	41.4	41.4	41.6	41.7	41.7	41.8	42.1	42.1
≥ 20000	43.7	44.4	44.4	44.6	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.9	44.9	45.3	45.3
≥ 18000	47.6	48.8	48.8	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.2	49.2	49.3	49.7	49.7
≥ 16000	47.7	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.3	49.3	49.8	49.8
≥ 14000	48.0	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.6	49.6	49.7	49.7	49.8	50.1
≥ 12000	49.1	50.3	50.3	50.4	50.4	50.4	50.6	50.6	50.6	50.7	50.7	50.8	50.8	50.9	51.2
≥ 10000	52.9	54.1	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.6	54.6	54.7	55.0
≥ 9000	53.2	54.7	54.7	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.2	55.2	55.3	55.7	55.7
≥ 8000	55.4	57.2	57.2	57.7	57.7	57.7	57.8	57.8	57.8	57.9	57.9	58.0	58.0	58.1	58.4
≥ 7000	58.4	60.2	60.2	60.8	60.8	60.8	60.9	60.9	60.9	61.0	61.0	61.1	61.1	61.2	61.6
≥ 6000	59.4	61.4	61.4	62.0	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.3	62.3	62.4	62.8
≥ 5000	62.9	65.1	65.1	66.2	66.2	66.2	66.7	66.7	66.7	67.0	67.0	67.1	67.1	67.3	67.7
≥ 4500	64.1	66.4	66.4	67.1	67.1	67.1	68.1	68.1	68.1	68.4	68.4	68.5	68.5	68.7	69.1
≥ 4000	68.1	71.1	71.1	72.7	72.7	72.7	73.7	73.7	73.7	74.3	74.3	74.4	74.4	74.7	75.1
≥ 3500	70.8	74.2	74.2	75.9	75.9	75.9	77.0	77.0	77.0	77.8	77.8	77.9	78.0	78.1	78.6
≥ 3000	72.8	77.1	77.1	78.2	78.2	78.2	80.0	80.0	80.0	81.0	81.0	81.1	81.1	81.3	81.9
≥ 2500	75.3	79.9	79.9	81.1	81.1	81.1	83.0	83.0	83.0	84.4	84.4	84.7	85.0	85.1	85.5
≥ 2000	77.8	82.8	82.8	84.0	84.0	84.0	86.2	86.2	86.2	87.7	87.7	88.2	88.2	88.9	89.3
≥ 1800	78.0	83.3	83.3	85.7	85.7	85.7	87.3	87.3	87.3	88.8	89.1	89.6	90.1	90.2	90.7
≥ 1600	78.9	84.3	84.3	86.8	86.8	86.8	88.9	88.9	88.9	91.0	91.4	91.9	92.8	93.0	93.3
≥ 1400	79.6	85.4	85.4	87.9	87.9	87.9	89.9	89.9	89.9	91.1	92.3	92.9	93.3	94.2	94.8
≥ 1200	79.6	85.4	85.4	88.0	88.0	88.0	90.1	90.1	90.1	93.0	93.7	94.1	95.1	95.2	95.8
≥ 1000	79.6	85.8	85.8	87.1	87.1	87.1	89.9	89.9	89.9	94.1	94.6	94.6	95.8	95.9	96.4
≥ 900	79.8	86.0	86.0	87.3	87.3	87.3	90.1	90.1	90.1	93.9	94.7	95.2	96.4	96.6	97.1
≥ 800	79.9	86.1	86.1	87.4	87.4	87.4	90.2	90.2	90.2	94.0	94.8	95.4	96.9	97.0	97.6
≥ 700	79.9	86.2	86.2	87.7	87.7	87.7	90.6	90.6	90.6	94.7	95.4	96.1	97.6	97.7	98.2
≥ 600	80.0	86.3	86.3	87.9	87.9	87.9	90.8	90.8	90.8	95.0	95.8	96.6	98.2	98.4	99.1
≥ 500	80.0	86.3	86.3	88.0	88.0	88.0	91.0	91.0	91.0	95.3	96.1	96.9	98.6	98.9	99.9
≥ 400	80.0	86.3	86.3	88.0	88.0	88.0	91.0	91.0	91.0	95.3	96.1	96.9	98.6	98.9	99.9
≥ 300	80.0	86.3	86.3	88.0	88.0	88.0	91.0	91.0	91.0	95.3	96.1	96.9	98.6	98.9	99.9
≥ 200	80.0	86.3	86.3	88.0	88.0	88.0	91.0	91.0	91.0	95.3	96.1	96.9	98.6	98.9	99.9
≥ 100	80.0	86.3	86.3	88.0	88.0	88.0	91.0	91.0	91.0	95.3	96.1	96.9	98.6	98.9	99.9
≥ 50	80.0	86.3	86.3	88.0	88.0	88.0	91.0	91.0	91.0	95.3	96.1	96.9	98.6	98.9	99.9
≥ 0	80.0	86.3	86.3	88.0	88.0	88.0	91.0	91.0	91.0	95.3	96.1	96.9	98.6	98.9	99.9

TOTAL NUMBER OF OBSERVATIONS 000

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-62 YEAR

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1730

NO. CEILING FEET	VISIBILITY STATISTICS															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
2 20000	38.3	43.0	40.7	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.2	40.2	40.3	40.3	40.4	40.7
2 18000	40.9	42.8	42.9	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.3	43.3	43.4	43.7
2 16000	44.1	46.2	46.3	46.3	46.4	46.7	46.7	46.7	46.7	46.7	46.9	46.8	46.9	46.9	47.7	47.2
2 14000	44.7	46.8	46.9	46.9	47.0	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.6	47.6	47.7	47.9
2 12000	45.1	47.2	47.3	47.3	47.4	47.6	47.8	47.8	47.8	47.9	47.8	47.9	48.0	48.0	48.1	48.3
2 10000	46.7	48.9	49.1	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.7	49.7	49.8	50.0
2 9500	51.1	53.6	53.7	53.7	53.8	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.3	54.3	54.4	54.7
2 9000	51.1	53.7	53.9	53.8	53.9	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.4	54.4	54.6	54.8
2 8500	53.4	57.1	57.2	57.2	57.3	57.7	57.9	57.8	57.9	57.8	57.9	57.9	58.0	58.0	58.1	58.3
2 8000	55.2	59.9	60.2	60.2	60.3	60.5	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.6	61.6	61.9
2 7500	58.4	63.1	63.4	63.4	63.6	64.2	64.6	64.7	64.7	64.7	64.9	64.8	64.9	64.9	65.0	65.2
2 7000	62.3	67.6	68.2	68.3	68.8	69.4	69.8	69.9	69.9	69.9	70.2	70.2	70.3	70.3	70.4	70.7
2 6500	63.1	68.0	68.7	68.9	69.4	70.1	70.6	70.8	70.8	70.8	70.8	71.1	71.1	71.2	71.3	71.6
2 6000	67.9	72.9	73.5	73.8	74.9	75.6	76.1	76.3	76.7	76.9	77.2	77.2	77.3	77.3	77.4	77.7
2 5500	69.4	75.2	75.9	76.2	77.4	78.1	78.9	79.2	79.6	80.3	80.7	80.7	80.9	80.9	81.0	81.2
2 5000	71.4	78.3	79.1	79.3	80.6	81.2	82.2	82.6	82.9	83.7	84.2	84.2	84.4	84.4	84.6	84.6
2 4500	73.5	81.0	81.8	82.1	83.4	84.2	85.3	85.7	86.0	87.0	87.3	87.3	87.6	87.6	87.7	87.9
2 4000	74.4	82.6	83.4	84.0	85.6	86.3	87.7	88.1	88.4	89.4	89.8	89.8	90.0	90.0	90.1	90.3
2 3500	74.9	83.0	83.9	84.6	86.1	86.9	88.2	88.9	89.2	90.2	90.6	90.6	90.8	90.8	90.9	91.1
2 3000	75.7	84.2	85.2	85.9	87.7	88.4	90.0	90.8	91.2	92.6	92.9	92.9	93.1	93.1	93.2	93.4
2 2500	75.9	84.6	85.7	86.4	88.4	89.3	91.7	91.9	92.8	94.2	94.6	94.6	94.8	94.8	94.9	95.1
2 2000	75.9	84.9	86.1	87.0	89.0	90.0	91.7	92.7	93.8	95.6	96.1	96.3	96.7	96.7	96.8	97.0
2 1500	75.9	84.9	86.1	87.0	89.0	90.0	92.0	93.0	94.1	96.0	96.0	96.9	97.0	97.3	97.3	97.7
2 1000	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.0	97.0	97.6	97.6	97.7	97.9
2 900	75.9	84.9	86.1	87.1	89.1	90.1	92.1	93.2	94.3	96.2	97.2	97.2	97.4	97.8	97.8	98.1
2 800	75.9	84.9	86.1	87.1	89.1	90.1	92.2	93.3	94.4	96.3	97.4	97.7	98.1	98.1	98.2	98.4
2 700	75.9	84.9	86.2	87.2	89.4	90.4	92.6	93.8	94.9	96.8	98.0	98.2	98.8	98.8	98.9	99.1
2 600	75.9	84.9	86.2	87.2	89.6	90.6	92.7	94.0	95.1	97.0	98.2	98.4	99.1	99.1	99.3	99.6
2 500	75.9	84.9	86.2	87.2	89.6	90.6	92.7	94.0	95.1	97.1	98.6	98.9	99.6	99.6	99.8	100.0
2 400	75.9	84.9	86.2	87.2	89.6	90.6	92.7	94.0	95.1	97.1	98.6	98.9	99.6	99.6	99.8	100.0
2 300	75.9	84.9	86.2	87.2	89.6	90.6	92.7	94.0	95.1	97.1	98.6	98.9	99.6	99.6	99.8	100.0
2 200	75.9	84.9	86.2	87.2	89.6	90.6	92.7	94.0	95.1	97.1	98.6	98.9	99.6	99.6	99.8	100.0
2 100	75.9	84.9	86.2	87.2	89.6	90.6	92.7	94.0	95.1	97.1	98.6	98.9	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 000

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEAR

887

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	29.7	41.9	42.1	42.4	42.8	43.0	43.1	43.6	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2
≥20000	30.0	44.3	44.3	44.6	44.9	45.1	45.2	45.7	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3
≥18000	32.2	46.2	46.3	46.8	47.1	47.3	47.4	47.9	48.1	48.3	48.5	48.6	48.6	48.6	48.6	48.6
≥16000	32.7	46.3	46.9	47.3	47.7	47.9	48.0	48.4	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.1
≥14000	33.1	47.4	47.6	48.0	48.3	48.6	48.7	49.1	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8
≥12000	33.6	48.3	48.4	48.9	49.2	49.4	49.6	50.0	50.2	50.4	51.0	51.0	51.0	51.0	51.0	51.0
≥10000	36.3	52.1	52.2	52.7	53.0	53.2	53.3	53.8	54.1	54.2	54.8	54.8	54.8	54.8	54.8	54.8
≥9000	36.4	52.3	52.3	52.8	53.1	53.3	53.4	53.9	54.1	54.3	54.9	54.9	54.9	54.9	54.9	54.9
≥8000	39.7	55.6	55.7	56.1	56.4	56.7	56.8	57.2	57.4	57.7	58.2	58.2	58.2	58.2	58.2	58.2
≥7000	40.3	56.7	56.8	57.3	57.6	57.9	58.0	58.5	58.7	59.0	59.5	59.5	59.5	59.5	59.5	59.5
≥6000	41.3	61.6	62.3	62.8	63.2	63.6	63.8	64.2	64.4	64.7	65.2	65.2	65.2	65.2	65.2	65.2
≥5000	43.9	66.7	67.1	67.6	68.0	68.3	68.7	69.1	69.3	69.6	70.1	70.1	70.1	70.1	70.1	70.1
≥4500	43.9	67.6	68.6	69.1	69.6	69.9	70.2	70.7	70.9	71.1	71.7	71.7	71.7	71.7	71.7	71.7
≥4000	46.1	72.1	73.1	74.0	74.7	75.1	75.4	76.0	76.3	76.8	77.3	77.3	77.3	77.3	77.3	77.3
≥3500	46.2	75.1	76.4	77.4	78.6	79.0	79.6	80.3	80.9	81.7	82.2	82.2	82.2	82.2	82.2	82.2
≥3000	47.1	78.2	79.6	80.7	81.9	82.3	82.9	83.7	84.3	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥2500	47.7	80.2	81.6	82.7	84.1	84.6	85.2	86.0	86.6	87.6	88.1	88.1	88.1	88.1	88.1	88.1
≥2000	48.1	82.4	83.9	85.1	86.8	87.2	88.1	89.0	89.7	90.7	91.2	91.2	91.2	91.2	91.2	91.2
≥1800	48.2	84.2	85.7	87.0	88.8	89.2	90.3	91.4	92.1	93.1	93.7	93.7	93.7	93.7	93.7	93.7
≥1600	48.4	85.4	86.9	88.3	90.1	90.7	92.1	93.4	94.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8
≥1400	48.4	86.4	87.3	88.8	90.6	91.1	92.7	94.2	95.4	96.9	97.4	97.4	97.4	97.4	97.4	97.4
≥1200	48.6	85.7	87.4	88.9	90.7	91.2	92.8	94.3	95.6	97.1	97.6	97.6	97.6	97.6	97.6	97.6
≥1000	48.6	85.8	87.6	89.0	90.8	91.3	92.9	94.6	95.8	97.2	98.2	98.2	98.2	98.2	98.2	98.2
≥900	48.6	85.9	87.7	89.1	90.9	91.4	93.0	94.7	95.9	97.3	98.3	98.3	98.3	98.3	98.3	98.3
≥800	48.6	86.0	87.9	89.4	91.3	91.9	93.4	95.1	96.3	97.8	99.0	99.0	99.0	99.0	99.0	99.0
≥700	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0
≥600	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0
≥500	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0
≥400	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0
≥300	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0
≥200	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0
≥100	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0
≥0	48.6	86.0	87.9	89.4	91.3	92.0	93.7	95.3	96.6	98.2	99.4	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 999

LORAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. 220 STATION NAME GALENA AFS AX

73-82

YEAR

NOV

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	25.0	43.6	44.1	44.2	45.1	45.2	45.3	45.6	45.6	45.9	46.1	46.2	46.2	46.2	46.2	46.3
≥9000	30.1	45.9	46.4	46.6	47.4	47.6	47.7	47.9	47.9	48.2	48.4	48.6	48.6	48.6	48.6	48.7
≥8000	31.4	47.7	48.2	48.3	49.2	49.3	49.4	49.7	49.7	50.0	50.2	50.3	50.3	50.3	50.3	50.4
≥7000	31.7	47.9	48.4	48.6	49.4	49.6	49.7	49.9	49.9	50.2	50.4	50.6	50.6	50.6	50.6	50.7
≥6000	32.1	48.3	48.9	49.0	49.9	50.0	50.1	50.3	50.3	50.7	50.9	51.0	51.0	51.0	51.0	51.1
≥5000	32.4	48.9	49.4	49.6	50.4	50.6	50.7	50.9	50.9	51.2	51.6	51.7	51.7	51.7	51.7	51.8
≥4000	34.3	51.7	52.2	52.4	53.3	53.4	53.6	53.8	53.8	54.1	54.4	54.6	54.6	54.6	54.6	54.7
≥3000	34.8	52.2	52.8	53.0	53.9	54.0	54.1	54.3	54.3	54.7	55.0	55.1	55.1	55.1	55.1	55.2
≥2000	36.4	55.0	55.7	55.9	56.9	57.0	57.1	57.4	57.4	57.8	58.1	58.2	58.2	58.2	58.2	58.3
≥1000	38.2	57.3	58.1	58.2	59.3	59.4	59.6	59.9	59.9	60.2	60.6	60.7	60.7	60.7	60.7	60.8
≥900	39.4	60.3	61.7	61.2	62.3	62.4	62.6	62.9	62.9	63.2	63.7	63.8	63.8	63.8	63.8	63.9
≥800	41.2	63.9	64.8	65.7	67.1	67.2	67.3	67.9	67.9	68.3	68.8	68.9	68.9	68.9	68.9	69.0
≥700	41.3	64.3	65.2	66.1	67.7	67.8	67.9	68.4	68.4	68.9	69.3	69.4	69.4	69.4	69.4	69.7
≥600	43.1	65.0	70.6	71.4	73.6	73.7	73.8	74.4	74.4	75.0	75.4	75.6	75.6	75.6	75.6	75.8
≥500	43.4	73.4	75.1	76.0	78.6	78.9	79.1	80.1	80.2	80.9	81.3	81.4	81.4	81.4	81.4	81.7
≥400	44.6	76.6	78.3	79.2	81.9	82.2	82.4	83.4	83.8	84.4	85.2	85.3	85.3	85.3	85.3	85.6
≥300	44.8	78.1	80.7	80.9	83.7	84.1	84.3	85.3	85.7	86.3	87.1	87.2	87.3	87.3	87.3	87.6
≥200	45.1	79.8	82.7	82.9	85.8	86.3	86.9	87.9	88.2	89.0	89.8	89.9	90.0	90.0	90.0	90.2
≥150	45.3	80.1	82.4	83.3	86.2	86.6	87.3	88.3	88.7	89.6	90.3	90.4	90.6	90.6	90.6	90.8
≥100	45.3	80.9	83.7	84.3	87.7	88.2	89.1	90.4	90.9	91.6	92.6	92.7	92.8	92.8	92.8	93.0
≥75	45.7	81.8	84.3	85.7	89.2	89.6	91.0	92.4	93.2	94.3	95.1	95.2	95.3	95.3	95.3	95.6
≥50	45.7	81.8	84.6	85.9	89.6	90.1	91.6	93.0	93.9	95.2	96.0	96.0	96.2	96.2	96.2	96.4
≥25	45.3	82.0	84.8	86.1	89.8	90.3	92.0	93.6	94.4	95.8	96.6	96.7	96.8	96.8	96.8	97.0
≥10	45.4	82.1	84.9	86.3	90.0	90.6	92.2	93.8	94.7	96.1	96.9	97.0	97.1	97.1	97.1	97.3
≥5	45.8	82.2	85.7	86.4	90.1	90.7	92.4	94.0	95.0	96.7	97.4	97.6	97.7	97.7	97.7	97.9
≥2	45.8	82.3	85.1	86.6	90.2	90.8	92.7	94.2	95.3	97.0	97.8	97.9	98.0	98.0	98.0	98.2
≥1	45.4	82.4	85.2	86.7	90.3	90.9	92.8	94.4	95.6	97.4	98.3	98.6	98.7	98.7	98.7	98.9
≥0.5	45.9	82.4	85.2	86.7	90.3	90.9	92.8	94.4	95.6	97.4	98.3	98.6	98.8	98.8	98.8	99.0
≥0.2	45.9	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.1	99.0	99.3	99.6	99.6	99.6	99.8
≥0.1	45.9	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.2	99.2	99.6	99.8	99.8	99.8	100.0
≥0.05	45.8	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.2	99.2	99.6	99.8	99.8	99.8	100.0
≥0.02	45.8	82.7	85.4	86.9	90.6	91.1	93.0	94.7	96.0	98.2	99.2	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220 WALENA AFS AK STATION NAME

73-62 YEAR

MSY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0.05	≥0
NO CEILING	32.2	42.0	42.2	42.5	43.0	43.1	43.2	43.3	43.4	43.6	43.8	43.8	43.9	43.9	44.0	44.1
≥2000	34.2	44.2	44.6	44.9	45.4	45.5	45.5	45.7	45.8	46.0	46.1	46.2	46.3	46.3	46.4	46.4
≥1800	36.0	46.4	46.7	47.0	47.5	47.6	47.7	47.8	47.9	48.1	48.3	48.3	48.4	48.4	48.5	48.6
≥1600	36.3	46.7	47.0	47.3	47.8	47.9	48.0	48.1	48.2	48.4	48.6	48.6	48.7	48.7	48.8	48.9
≥1400	36.6	47.1	47.4	47.7	48.2	48.3	48.4	48.5	48.6	48.9	49.0	49.1	49.1	49.2	49.3	49.3
≥1200	37.4	48.1	48.4	48.7	49.1	49.3	49.4	49.5	49.6	49.8	50.0	50.1	50.2	50.2	50.3	50.3
≥1000	40.1	51.4	51.7	52.0	52.5	52.6	52.7	52.9	53.0	53.2	53.4	53.5	53.5	53.5	53.6	53.7
≥800	40.3	51.8	52.1	52.4	52.9	53.0	53.1	53.3	53.4	53.6	53.8	53.9	53.9	54.0	54.1	54.1
≥600	42.5	54.6	55.1	55.3	55.8	56.0	56.1	56.2	56.3	56.6	56.8	56.9	56.9	57.0	57.0	57.1
≥400	44.5	57.2	57.7	58.0	58.6	58.8	59.0	59.2	59.3	59.5	59.7	59.8	59.9	59.9	60.0	60.1
≥200	45.4	59.7	60.2	60.6	61.3	61.5	61.6	61.8	62.0	62.2	62.4	62.5	62.6	62.6	62.7	62.7
≥100	48.4	64.1	64.8	65.4	66.3	66.5	66.7	67.0	67.2	67.5	67.7	67.8	67.9	67.9	68.0	68.0
≥50	48.9	65.1	65.9	66.5	67.5	67.7	68.0	68.2	68.4	68.7	68.9	69.0	69.1	69.1	69.2	69.3
≥25	51.2	69.2	70.2	71.0	72.2	72.5	72.8	73.2	73.5	73.9	74.1	74.2	74.3	74.3	74.4	74.5
≥12.5	52.9	72.4	73.6	74.5	76.0	76.3	76.7	77.2	77.6	78.1	78.4	78.4	78.5	78.5	78.6	78.7
≥6.25	53.9	75.3	76.6	77.7	79.3	79.7	80.3	80.9	81.2	81.9	82.2	82.2	82.3	82.3	82.4	82.5
≥3.125	54.7	77.1	78.6	79.7	81.6	82.0	82.7	83.4	83.7	84.4	84.7	84.7	84.8	84.9	85.0	85.0
≥1.5625	55.4	79.7	81.2	82.7	84.7	85.2	86.1	86.8	87.2	88.0	88.4	88.5	88.6	88.6	88.7	88.8
≥0.78125	56.7	80.1	81.7	83.3	85.3	85.9	86.8	87.6	88.0	88.8	89.2	89.3	89.4	89.4	89.6	89.6
≥0.390625	56.6	81.6	83.0	85.0	87.3	87.9	89.1	90.2	90.7	91.5	92.0	92.1	92.2	92.2	92.4	92.4
≥0.1953125	57.0	82.5	84.3	86.1	88.6	89.3	90.6	91.8	92.5	93.5	94.0	94.1	94.2	94.3	94.4	94.4
≥0.09765625	57.1	82.8	84.7	86.6	89.1	89.6	91.3	92.6	93.5	94.7	95.4	95.5	95.7	95.9	95.9	95.9
≥0.048828125	57.2	83.0	84.9	86.7	89.3	90.0	91.6	93.0	93.9	95.2	95.9	96.1	96.3	96.3	96.4	96.5
≥0.0244140625	57.3	83.2	85.2	87.1	89.7	90.4	92.0	93.5	94.4	95.8	96.5	96.7	96.9	96.9	97.0	97.1
≥0.01220703125	57.3	83.4	85.4	87.3	89.9	90.6	92.2	93.8	94.7	96.1	97.0	97.2	97.4	97.4	97.5	97.6
≥0.006103515625	57.3	83.6	85.5	87.4	90.0	90.8	92.4	94.0	95.0	96.5	97.4	97.6	97.8	97.8	97.9	98.0
≥0.0030517578125	57.3	83.7	85.8	87.7	90.4	91.1	92.8	94.5	95.4	97.1	98.2	98.3	98.6	98.7	98.8	98.9
≥0.00152587890625	57.3	83.7	85.8	87.8	90.8	91.2	92.9	94.6	95.5	97.2	98.3	98.5	98.9	99.0	99.1	99.2
≥0.000762939453125	57.4	83.8	85.8	87.8	90.5	91.2	92.9	94.7	95.7	97.5	98.7	98.9	99.3	99.4	99.6	99.6
≥0.0003814697265625	57.4	83.8	85.9	87.8	90.5	91.2	93.0	94.7	95.7	97.6	98.9	99.1	99.5	99.6	99.8	99.9
≥0.00019073486328125	57.4	83.8	85.9	87.8	90.5	91.2	93.0	94.7	95.7	97.7	98.9	99.2	99.5	99.7	99.9	100.0
≥0.000095367431640625	57.4	83.8	85.9	87.8	90.5	91.2	93.0	94.7	95.7	97.7	98.9	99.2	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220 SALENA AFS AK STATION NAME 73-62 YEARS 0000-2000

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
NO CEILING	25.4	48.5	49.7	49.4	51.3	50.4	50.4	51.0	51.7	52.3	53.7	53.9	54.3	54.3	54.4	54.4
≥ 25000	25.3	49.7	49.9	50.5	51.5	51.6	51.6	52.2	52.5	53.4	54.0	55.1	55.5	55.5	55.6	55.6
≥ 20000	26.4	50.5	50.8	51.4	52.4	52.5	52.5	53.0	53.3	54.3	55.7	55.9	56.3	56.3	56.5	56.5
≥ 15000	27.0	50.6	50.9	51.5	52.5	52.6	52.6	53.1	53.4	54.4	55.8	56.0	56.5	56.5	56.6	56.6
≥ 14000	27.3	51.0	51.2	51.8	52.8	52.9	52.9	53.4	53.9	54.7	56.1	56.3	56.8	56.8	56.9	56.9
≥ 13000	27.4	51.1	51.3	51.9	52.9	53.0	53.0	53.5	53.9	54.8	56.2	56.5	56.9	56.9	57.0	57.0
≥ 12000	25.5	52.6	52.8	53.4	54.4	54.5	54.5	55.1	55.4	56.3	57.7	58.0	58.4	58.4	58.5	58.5
≥ 11000	29.0	53.2	53.4	54.1	55.1	55.2	55.2	55.7	56.0	57.0	58.4	58.6	59.0	59.0	59.1	59.1
≥ 10000	30.4	57.6	58.0	58.6	59.6	59.7	59.7	60.2	60.5	61.5	62.9	63.1	63.5	63.5	63.7	63.7
≥ 9000	22.2	61.0	61.3	61.9	62.9	63.0	63.0	63.5	63.9	64.8	66.2	66.5	66.9	66.9	67.0	67.0
≥ 8000	33.5	64.1	64.5	65.3	66.3	66.5	66.5	67.0	67.4	68.4	69.8	70.0	70.4	70.4	70.5	70.5
≥ 7000	34.7	66.5	68.1	69.4	71.3	71.7	71.9	72.5	73.0	74.0	75.4	75.6	76.0	76.0	76.1	76.1
≥ 6000	35.3	67.7	69.5	70.8	72.7	73.1	73.3	73.9	74.4	75.4	76.8	77.0	77.4	77.4	77.5	77.5
≥ 5000	36.2	71.3	73.2	74.7	77.0	77.4	77.6	78.2	78.8	79.8	81.2	81.4	81.8	81.8	81.9	81.9
≥ 4500	36.9	74.9	76.9	78.5	80.8	81.2	81.4	82.2	82.8	83.8	85.2	85.4	85.8	85.8	85.9	85.9
≥ 4000	37.3	76.1	78.5	80.2	82.5	82.9	83.3	84.1	84.8	85.9	87.3	87.5	88.0	88.0	88.1	88.1
≥ 3500	37.4	77.6	80.0	81.7	84.2	84.6	85.2	85.9	86.7	87.7	89.1	89.4	89.8	89.8	89.9	89.9
≥ 3000	37.7	79.6	82.3	84.0	86.6	87.0	87.6	88.4	89.1	90.2	91.6	91.8	92.3	92.3	92.4	92.4
≥ 2500	37.7	80.4	83.2	84.9	87.5	88.0	88.6	89.6	90.3	91.4	92.8	93.0	93.4	93.4	93.5	93.5
≥ 2000	37.7	81.5	84.5	86.2	89.8	89.2	90.0	91.1	91.8	92.9	94.3	94.5	94.9	94.9	95.1	95.1
≥ 1500	37.7	81.9	84.9	86.8	89.5	89.9	90.6	91.7	92.6	93.8	95.2	95.4	95.8	95.8	95.9	95.9
≥ 1000	37.7	82.0	85.1	86.9	89.6	90.0	90.8	91.8	92.7	93.9	95.3	95.5	95.9	95.9	96.0	96.0
≥ 800	37.7	83.0	86.0	87.8	90.5	91.0	91.7	92.8	93.7	94.8	96.2	96.5	96.9	96.9	97.0	97.0
≥ 700	37.8	83.3	86.3	88.2	90.9	91.3	92.0	93.1	94.0	95.2	96.6	96.9	97.2	97.2	97.3	97.3
≥ 600	38.1	83.9	87.1	89.0	91.7	92.2	92.9	94.0	94.8	96.0	97.4	97.6	98.1	98.1	98.2	98.2
≥ 500	38.1	84.2	87.6	89.7	92.4	92.8	93.5	94.6	95.5	96.9	98.3	98.5	98.9	98.9	99.0	99.0
≥ 400	38.1	84.3	87.7	89.8	92.5	92.9	93.7	94.7	95.6	97.0	98.4	98.6	99.1	99.1	99.5	99.5
≥ 300	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 200	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 100	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9
≥ 0	38.1	84.4	88.0	90.0	92.7	93.1	94.1	95.2	96.0	97.5	98.9	99.1	99.7	99.7	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-225 GALENA AFS AK STATION NAME 73-82 YEAR 086

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

030-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	
≥20000	24.4	47.7	48.3	49.6	51.0	51.0	51.5	52.3	52.3	53.1	54.3	54.4	54.5	54.5	54.6	54.6
≥18000	25.7	49.7	50.2	51.5	52.9	52.9	53.4	54.2	54.2	55.1	56.2	56.3	56.5	56.5	56.6	56.6
≥16000	25.9	50.1	50.6	51.9	53.3	53.3	53.9	54.6	54.6	55.5	56.7	56.8	56.9	56.9	57.0	57.0
≥14000	26.7	50.5	51.1	52.4	53.8	53.8	54.3	55.1	55.1	55.9	57.1	57.2	57.3	57.3	57.4	57.4
≥12000	26.7	51.9	51.4	52.7	54.1	54.1	54.6	55.4	55.4	56.2	57.4	57.5	57.6	57.6	57.7	57.7
≥10000	26.8	51.0	51.5	52.8	54.2	54.2	54.7	55.5	55.5	56.3	57.5	57.6	57.7	57.7	57.8	57.8
≥9000	27.4	51.7	52.4	53.7	55.1	55.1	55.6	56.3	56.3	57.2	58.4	58.5	58.6	58.6	58.7	58.7
≥8000	28.0	52.4	53.0	54.3	55.7	55.7	56.2	57.0	57.0	57.8	59.0	59.1	59.2	59.2	59.4	59.4
≥7000	29.4	56.2	57.0	58.3	59.8	59.8	60.3	61.1	61.1	61.9	63.1	63.2	63.3	63.3	63.4	63.4
≥6000	30.5	59.9	61.1	62.4	63.9	63.9	64.4	65.2	65.2	66.0	67.2	67.3	67.4	67.4	67.5	67.5
≥5000	31.7	62.5	63.9	65.2	66.8	66.8	67.6	68.5	68.5	69.5	70.6	70.8	70.9	70.9	71.0	71.0
≥4500	33.0	66.2	68.4	69.9	72.2	72.2	73.1	74.1	74.4	75.6	76.8	76.9	77.0	77.0	77.1	77.1
≥4000	33.3	67.1	69.2	70.8	73.0	73.0	74.0	74.9	75.3	76.5	77.6	77.7	77.8	77.8	78.0	78.0
≥3500	34.0	69.8	72.2	73.9	77.0	77.0	78.0	79.1	79.6	80.8	82.2	82.3	82.4	82.4	82.5	82.5
≥3000	34.3	72.2	74.7	76.5	79.6	79.7	80.6	81.8	82.3	83.4	84.8	84.9	85.1	85.1	85.2	85.2
≥2500	34.6	73.4	76.1	77.8	81.1	81.1	82.4	83.5	84.3	85.2	86.6	86.7	86.9	86.9	86.9	86.9
≥2000	35.6	74.9	77.7	79.5	82.9	83.1	84.2	85.4	85.8	87.0	88.4	88.5	88.6	88.6	88.7	88.7
≥1800	35.5	78.2	81.1	83.2	86.7	86.7	88.1	89.4	89.9	91.1	92.6	92.7	92.8	92.8	92.9	92.9
≥1500	35.5	78.3	81.4	83.3	86.8	87.0	88.2	89.7	90.2	91.5	93.0	93.1	93.2	93.2	93.3	93.3
≥1200	35.6	78.8	82.0	84.2	87.6	87.6	89.1	90.6	91.2	92.5	94.0	94.1	94.2	94.2	94.3	94.3
≥1000	35.6	79.8	83.1	85.3	88.8	89.0	90.3	91.8	92.4	93.7	95.2	95.3	95.4	95.4	95.5	95.5
≥900	35.9	80.8	84.1	86.3	89.9	90.2	91.5	93.0	93.5	94.8	96.3	96.5	96.6	96.6	96.7	96.7
≥800	36.2	81.4	84.7	87.0	90.5	90.9	92.2	93.7	94.2	95.7	97.2	97.3	97.4	97.4	97.5	97.5
≥700	36.2	81.9	85.1	87.5	91.1	91.4	92.7	94.2	94.7	96.2	97.7	97.8	98.0	98.0	98.1	98.1
≥600	36.5	82.5	85.8	88.2	91.7	92.0	93.3	94.8	95.4	96.9	98.4	98.5	98.6	98.6	98.7	98.7
≥500	36.6	82.6	85.9	88.1	91.8	92.2	93.5	95.1	95.6	97.1	98.6	98.7	98.8	98.8	98.9	98.9
≥400	36.6	82.6	85.9	88.4	92.2	92.5	93.9	95.5	96.0	97.5	99.0	99.1	99.2	99.2	99.4	99.4
≥300	36.7	82.7	86.0	88.6	92.5	92.8	94.2	95.8	96.5	98.1	99.6	99.7	99.8	99.8	99.9	99.9
≥200	36.7	82.7	86.0	88.6	92.5	92.8	94.2	95.8	96.5	98.1	99.6	99.7	99.8	99.9	100.0	100.0
≥100	36.7	82.7	86.0	88.6	92.5	92.8	94.2	95.8	96.5	98.1	99.6	99.7	99.8	99.9	100.0	100.0
≥0	36.7	82.7	86.0	88.6	92.5	92.8	94.2	95.8	96.5	98.1	99.6	99.7	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-82 YEAR

065

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
∞	37.0	53.0	51.1	52.0	53.0	53.0	54.1	55.4	55.4	56.1	57.0	57.2	57.2	57.2	57.2	57.2
20000	31.2	51.8	52.9	53.9	54.8	54.6	55.9	57.2	57.2	58.0	58.8	59.0	59.0	59.0	59.0	59.0
2 8000	31.4	52.5	53.5	54.5	55.5	55.5	56.6	57.8	57.8	58.6	59.5	59.7	59.7	59.7	59.7	59.7
2 6000	31.8	52.7	53.8	54.7	55.7	55.7	56.8	58.1	58.1	58.8	59.7	59.9	59.9	59.9	59.9	59.9
2 4000	31.9	53.2	54.3	55.3	56.2	56.2	57.3	58.6	58.6	59.4	60.2	60.4	60.4	60.4	60.4	60.4
2 2000	32.3	54.0	55.1	56.0	57.0	57.1	58.2	59.5	59.5	60.2	61.1	61.3	61.3	61.3	61.3	61.3
2 1000	33.2	55.3	56.3	57.3	58.3	58.4	59.5	60.6	60.6	61.5	62.4	62.6	62.6	62.6	62.6	62.6
2 900	33.9	55.9	57.0	58.0	58.9	59.0	60.1	61.4	61.4	62.2	63.0	63.2	63.2	63.2	63.2	63.2
2 800	35.3	59.2	60.3	61.3	62.3	62.4	63.4	64.7	64.7	65.5	66.3	66.6	66.6	66.6	66.6	66.6
2 700	36.7	62.3	63.7	64.6	65.6	65.7	66.8	68.1	68.1	68.8	69.7	69.9	69.9	69.9	69.9	69.9
2 600	37.9	64.8	66.4	67.6	68.6	68.7	69.9	71.2	71.2	71.9	72.8	73.0	73.0	73.0	73.0	73.0
2 500	38.2	68.6	70.5	71.6	72.6	72.7	74.2	75.8	76.2	77.2	78.1	78.3	78.3	78.3	78.3	78.3
2 450	38.4	68.9	70.9	71.9	72.9	73.0	74.5	76.1	76.6	77.5	78.4	78.6	78.6	78.6	78.6	78.6
2 400	39.1	71.2	73.8	74.8	76.8	76.9	78.8	80.6	81.2	82.4	83.3	83.5	83.5	83.5	83.5	83.5
2 350	39.6	73.9	76.6	77.6	79.6	79.7	81.6	83.5	84.1	85.6	86.6	86.8	86.8	86.8	86.8	86.8
2 300	39.6	75.2	78.0	79.0	81.0	81.1	83.0	85.2	85.7	87.2	88.2	88.4	88.4	88.4	88.4	88.4
2 250	39.6	76.5	79.2	80.3	82.6	82.7	84.6	86.8	87.3	88.8	89.8	90.0	90.0	90.0	90.0	90.0
2 200	40.2	79.6	82.5	83.5	85.8	85.9	87.8	90.0	90.5	92.2	93.1	93.3	93.3	93.3	93.3	93.3
2 150	40.2	79.7	82.6	83.7	85.9	86.0	88.0	90.1	90.6	92.3	93.2	93.4	93.4	93.4	93.4	93.4
2 100	40.4	80.5	83.4	84.6	86.9	87.1	89.1	91.3	91.9	93.5	94.5	94.7	94.7	94.7	94.7	94.7
2 900	40.5	81.3	84.2	85.5	87.7	88.1	90.1	92.3	92.9	94.5	95.5	95.7	95.7	95.7	95.7	95.7
2 800	40.5	82.3	85.2	86.5	88.7	89.0	91.1	93.2	93.9	95.5	96.5	96.7	96.7	96.7	96.7	96.7
2 700	40.6	82.7	85.6	87.1	89.4	89.7	91.7	94.1	94.8	96.7	97.6	97.8	97.8	97.8	97.8	97.8
2 600	40.6	83.1	86.0	87.5	89.8	90.1	92.3	94.7	95.5	97.3	98.3	98.5	98.5	98.5	98.5	98.5
2 500	40.6	83.2	86.1	87.6	89.9	90.2	92.4	94.9	95.7	97.5	98.5	98.7	98.7	98.7	98.7	98.7
2 400	40.6	83.2	86.1	87.7	90.0	90.3	92.5	95.1	95.8	97.6	98.6	98.8	98.8	98.8	98.8	98.8
2 300	40.6	83.3	86.2	87.8	90.1	90.4	92.6	95.2	95.9	97.7	98.7	98.9	98.9	98.9	98.9	98.9
2 200	40.6	83.7	86.6	88.3	90.5	91.0	93.1	95.8	96.6	98.4	99.4	99.6	99.6	99.6	99.6	99.6
2 100	40.6	83.8	86.7	88.4	90.6	91.1	93.2	95.9	96.7	98.6	99.8	100.0	100.0	100.0	100.0	100.0
2 900	40.6	83.8	86.7	88.4	90.6	91.1	93.2	95.9	96.7	98.6	99.8	100.0	100.0	100.0	100.0	100.0
2 800	40.6	83.8	86.7	88.4	90.6	91.1	93.2	95.9	96.7	98.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 030

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-02

REF

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

800-1170

CEILING FEET	VISIBILITY STAT. IN MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.02	≥0.01
NO CEILING	39.2	43.3	43.9	44.2	44.3	44.6	45.4	46.2	46.5	47.3	47.5	47.6	48.0	48.0	49.3	49.4
≥ 20000	41.2	45.4	45.9	46.2	46.5	46.6	47.7	48.4	48.6	49.1	49.8	49.8	50.1	50.1	50.4	50.4
≥ 18000	42.5	46.8	47.2	47.6	47.8	48.2	48.7	49.8	50.0	50.5	51.2	51.2	51.5	51.5	51.9	51.9
≥ 16000	42.9	47.2	47.6	48.1	48.3	48.6	49.0	50.2	50.4	51.0	51.6	51.6	51.9	51.9	52.3	52.3
≥ 14000	43.4	47.8	48.3	48.7	48.9	49.2	50.0	50.9	51.1	51.6	52.3	52.3	52.6	52.6	52.9	53.0
≥ 12000	43.4	48.4	48.8	49.2	49.6	50.0	50.8	51.6	51.8	52.4	53.0	53.0	53.3	53.3	53.7	53.7
≥ 10000	47.6	52.6	53.7	53.4	53.8	54.2	54.9	55.8	56.3	56.6	57.2	57.2	57.5	57.5	57.8	58.0
≥ 9000	48.4	53.7	54.1	54.5	54.8	55.3	55.9	56.7	57.1	57.6	58.3	58.3	58.6	58.6	59.0	59.0
≥ 8000	52.3	58.4	59.9	59.4	59.8	60.3	61.1	62.0	62.3	62.8	63.4	63.4	63.8	63.8	64.1	64.2
≥ 7000	56.2	62.3	62.8	63.2	63.7	64.3	65.1	66.0	66.2	66.8	67.4	67.4	67.7	67.7	68.1	68.2
≥ 6000	57.7	64.5	65.2	65.6	66.2	66.9	67.6	68.7	68.9	69.5	70.1	70.1	70.4	70.4	70.8	70.9
≥ 5000	61.8	69.6	70.4	71.0	71.6	72.4	73.5	75.1	75.3	76.0	76.7	76.7	77.0	77.0	77.3	77.4
≥ 4500	63.1	71.0	71.8	72.4	73.0	73.8	74.9	76.5	76.9	77.6	78.3	78.4	78.7	78.7	79.0	79.1
≥ 4000	64.9	73.7	74.7	75.7	76.9	77.6	79.1	81.2	82.0	82.9	83.8	83.9	84.2	84.2	84.5	84.6
≥ 3500	66.6	75.6	76.7	77.6	78.9	79.7	81.2	83.4	84.4	85.5	86.5	86.6	86.9	86.9	87.2	87.3
≥ 3000	67.4	76.8	77.8	78.8	80.1	80.9	82.4	84.7	85.7	86.8	87.7	87.8	88.2	88.2	88.5	88.6
≥ 2500	68.0	77.7	78.8	79.9	81.5	82.3	83.9	86.2	87.2	88.3	89.2	89.4	89.7	89.7	90.0	90.1
≥ 2000	68.4	79.5	80.8	81.9	83.7	84.4	86.0	88.4	89.4	90.4	91.4	91.5	91.8	91.8	92.2	92.3
≥ 1800	69.4	80.5	81.8	83.1	84.8	85.6	87.2	89.6	90.6	91.8	92.8	92.9	93.2	93.2	93.5	93.7
≥ 1600	70.1	81.7	83.1	84.4	86.2	87.0	88.8	91.4	92.5	93.7	94.6	94.7	95.1	95.1	95.4	95.5
≥ 1400	70.8	82.2	83.4	84.8	86.7	87.4	89.2	91.9	93.0	94.2	95.2	95.3	95.6	95.6	95.9	96.0
≥ 1200	71.0	82.5	83.8	85.2	87.0	88.0	89.9	92.7	93.8	94.9	95.9	96.0	96.3	96.3	96.7	96.8
≥ 900	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 800	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 700	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 600	71.1	82.6	83.9	85.3	87.1	88.1	90.0	92.8	94.0	95.2	96.1	96.2	96.6	96.6	96.9	97.0
≥ 500	71.1	83.1	84.4	85.8	87.6	88.6	90.5	93.5	94.7	95.9	96.9	97.0	97.3	97.3	97.6	97.7
≥ 400	71.2	83.2	84.7	86.3	88.2	89.2	91.3	94.4	95.6	97.0	98.1	98.2	98.5	98.5	98.8	98.9
≥ 300	71.2	83.4	85.1	86.7	88.5	89.6	91.7	94.8	96.0	97.4	98.5	98.6	99.0	99.0	99.4	99.5
≥ 200	71.2	83.4	85.1	86.7	88.5	89.6	91.7	94.9	96.1	97.5	98.9	99.0	99.5	99.5	99.8	99.9
≥ 100	71.2	83.4	85.1	86.7	88.5	89.6	91.7	95.1	96.2	97.6	99.0	99.1	99.6	99.6	99.9	100.0
≥ 50	71.2	83.4	85.1	86.7	88.5	89.6	91.7	95.1	96.2	97.6	99.0	99.1	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 220 DALENA AFS AK STATION NAME 73-62 YEARS 1950

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1950-1959

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2.5	≥2.3	≥2.1	≥1.9	≥1.7	≥1.5	≥1.3	≥1.1	≥1.0	≥0.9
NO CEILING	37.9	40.6	41.1	41.3	42.4	42.5	42.7	43.6	43.7	44.1	44.9	45.0	45.4	45.6	45.6	45.6
≥20000	39.4	42.1	42.6	42.8	43.6	44.0	44.2	45.1	45.2	45.6	46.4	46.5	47.0	47.3	47.3	47.3
≥18000	41.2	44.0	44.6	44.8	45.9	46.0	46.2	47.0	47.1	47.7	48.4	48.5	49.1	49.3	49.3	49.3
≥16000	41.7	44.5	45.0	45.2	46.3	46.4	46.6	47.5	47.6	48.1	48.9	49.0	49.5	49.7	49.7	49.7
≥14000	42.1	44.9	45.4	45.6	46.7	46.8	47.0	47.9	48.0	48.5	49.3	49.4	49.9	50.2	50.2	50.2
≥12000	42.9	45.7	46.3	46.5	47.6	47.7	48.0	48.9	49.0	49.5	50.3	50.4	50.9	51.1	51.1	51.1
≥10000	48.0	50.8	51.3	51.6	52.6	52.7	53.1	53.9	54.0	54.6	55.3	55.4	56.0	56.2	56.2	56.2
≥8000	49.1	51.9	52.4	52.6	53.7	53.8	54.1	55.0	55.1	55.7	56.4	56.5	57.1	57.3	57.3	57.3
≥6000	54.3	57.1	57.4	58.3	59.4	59.5	60.0	60.8	60.9	61.7	62.4	62.5	63.1	63.3	63.3	63.3
≥4000	57.2	61.1	62.1	62.5	63.7	63.8	64.3	65.1	65.2	66.0	66.7	66.8	67.4	67.6	67.6	67.6
≥2000	60.4	64.7	65.6	66.1	67.5	67.6	68.0	68.9	69.0	69.8	70.5	70.6	71.2	71.4	71.4	71.4
≥1000	63.4	67.8	68.9	69.5	70.9	71.0	71.7	72.7	72.8	73.5	74.3	74.4	74.9	75.1	75.1	75.1
≥500	65.1	69.6	70.7	71.5	73.0	73.1	73.7	75.0	75.1	75.9	76.6	76.7	77.3	77.5	77.5	77.5
≥250	67.7	73.0	74.5	75.6	77.3	77.7	78.8	80.3	80.9	81.8	82.8	82.9	83.4	83.6	83.6	83.6
≥125	70.2	75.8	77.4	78.6	80.6	81.2	82.7	84.9	85.8	87.0	88.1	88.2	88.8	89.0	89.0	89.0
≥75	70.3	76.1	77.8	79.2	81.3	81.9	84.1	86.3	87.2	88.5	89.6	89.7	90.3	90.5	90.5	90.5
≥50	71.9	78.1	80.0	81.7	83.7	84.5	86.8	89.1	90.0	91.3	92.4	92.5	93.1	93.3	93.3	93.3
≥30	72.1	78.6	80.4	82.1	84.2	84.9	87.2	89.6	90.4	91.8	92.9	93.0	93.6	93.9	93.9	93.9
≥15	72.8	79.5	81.6	83.3	85.4	86.1	88.6	91.0	91.9	93.3	94.4	94.5	95.2	95.4	95.4	95.4
≥7.5	72.9	79.7	81.8	83.5	85.6	86.4	89.0	91.5	92.6	94.1	95.2	95.3	95.9	96.1	96.1	96.1
≥3.75	73.0	80.1	82.2	84.0	86.0	86.9	89.6	92.1	93.2	94.7	96.0	96.1	96.8	97.0	97.0	97.0
≥1.875	73.0	80.2	82.3	84.1	86.1	87.1	89.8	92.4	93.4	94.9	96.2	96.3	97.0	97.2	97.2	97.2
≥0.9375	73.1	80.4	82.6	84.3	86.3	87.3	90.0	92.7	93.8	95.6	96.9	97.0	97.6	97.8	97.8	97.8
≥0.46875	73.1	80.5	82.7	84.5	86.5	87.5	90.2	93.0	94.1	95.9	97.2	97.3	98.0	98.2	98.2	98.2
≥0.234375	73.1	80.9	83.1	84.9	87.0	87.9	90.7	93.5	94.6	96.6	97.8	98.0	98.6	98.8	98.8	98.8
≥0.1171875	73.2	81.2	83.6	85.5	87.5	88.6	91.4	94.2	95.3	97.3	98.6	98.7	99.4	99.6	99.6	99.6
≥0.05859375	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥0.029296875	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥0.0146484375	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥0.00732421875	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥0.003662109375	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥0.0018310546875	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8
≥0.00091552734375	73.2	81.2	83.7	85.6	87.7	88.8	91.6	94.4	95.5	97.5	98.8	98.9	99.6	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 938

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-220 GALENA AFS AK STATION NAME

73-82 YEARS

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1900

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .4	≥ 0		
NO CEILING	37.9	42.6	43.5	43.9	45.1	45.1	45.8	46.7	46.9	47.4	47.7	47.8	48.2	48.2	48.4	48.4
≥ 20000	38.8	44.3	44.9	45.3	46.5	46.5	47.2	48.1	48.3	48.8	49.1	49.2	49.6	49.6	49.9	49.9
≥ 18000	39.5	44.7	45.5	46.0	47.1	47.1	47.9	48.8	49.0	49.4	49.7	49.8	50.3	50.3	50.5	50.5
≥ 16000	39.9	44.7	45.5	46.0	47.1	47.1	47.9	48.8	49.0	49.4	49.7	49.8	50.3	50.3	50.5	50.5
≥ 14000	40.2	45.4	46.1	46.7	47.9	47.9	48.7	49.5	49.7	50.2	50.5	50.6	51.0	51.0	51.2	51.2
≥ 12000	41.1	46.3	47.1	47.6	48.9	48.9	49.6	50.5	50.7	51.1	51.5	51.6	52.0	52.0	52.2	52.2
≥ 10000	44.9	50.3	51.1	51.6	52.9	52.9	53.6	54.5	54.7	55.1	55.4	55.6	56.0	56.0	56.2	56.2
≥ 9000	46.0	51.1	52.2	52.6	53.9	53.9	54.7	55.6	55.8	56.2	56.5	56.6	57.1	57.1	57.3	57.3
≥ 8000	50.1	56.2	57.2	57.6	59.0	59.1	60.0	60.8	61.1	61.7	62.0	62.1	62.6	62.6	62.8	62.8
≥ 7000	52.4	59.5	60.5	60.9	62.8	62.6	63.4	64.3	64.5	65.2	65.5	65.6	66.0	66.0	66.2	66.2
≥ 6000	55.1	62.6	63.6	64.2	65.8	65.9	66.8	67.7	68.2	68.8	69.3	69.4	69.8	69.8	70.0	70.0
≥ 5000	57.5	66.7	67.7	68.3	69.9	70.0	70.9	72.2	72.6	73.2	73.7	73.8	74.2	74.2	74.4	74.4
≥ 4500	59.7	69.3	70.1	70.7	72.3	72.4	73.2	74.5	75.0	75.6	76.2	76.3	76.7	76.7	76.9	76.9
≥ 4000	62.2	73.6	74.4	75.5	77.3	77.8	79.1	80.4	80.8	81.6	82.1	82.2	82.6	82.6	82.9	82.9
≥ 3500	64.0	75.9	77.3	78.1	80.3	81.0	82.3	83.7	84.1	85.1	85.7	85.8	86.2	86.2	86.4	86.4
≥ 3000	64.8	76.9	78.5	79.4	81.6	82.3	83.6	85.3	86.0	87.1	87.6	87.7	88.2	88.2	88.5	88.5
≥ 2500	65.6	79.1	80.8	81.8	84.0	84.8	86.1	87.8	88.7	89.8	90.3	90.4	90.9	90.9	91.2	91.2
≥ 2000	66.9	81.4	83.3	84.6	86.9	87.7	89.0	90.7	91.7	92.8	93.3	93.4	94.0	94.0	94.2	94.2
≥ 1500	67.1	81.9	83.7	85.0	87.4	88.1	89.4	91.2	92.1	93.2	93.7	93.9	94.4	94.4	94.6	94.6
≥ 1000	67.9	83.3	84.8	86.1	88.6	89.4	90.7	92.4	93.4	94.5	95.1	95.3	95.8	95.8	96.0	96.0
≥ 800	67.6	83.5	85.3	86.6	89.2	90.2	91.6	93.3	94.3	95.4	96.0	96.1	96.7	96.7	96.9	96.9
≥ 700	67.6	83.7	85.5	86.9	89.6	90.6	92.0	93.9	94.8	96.1	96.8	96.9	97.4	97.4	97.6	97.6
≥ 600	67.6	83.7	85.7	87.2	89.9	90.8	92.2	94.1	95.0	96.4	97.1	97.2	97.7	97.7	98.0	98.0
≥ 500	67.6	83.7	85.7	87.2	89.9	90.8	92.2	94.1	95.0	96.4	97.1	97.2	97.7	97.7	98.0	98.0
≥ 400	67.6	83.8	85.9	87.4	90.1	91.0	92.6	94.4	95.5	97.0	97.6	97.7	98.3	98.3	98.6	98.6
≥ 300	67.6	83.8	85.9	87.4	90.1	91.0	92.6	94.4	95.5	97.1	97.7	97.8	98.4	98.4	98.7	98.7
≥ 200	67.6	83.9	86.1	87.7	90.4	91.4	92.9	94.7	95.8	97.5	98.2	98.3	98.8	98.8	99.1	99.1
≥ 100	67.6	83.9	86.1	87.7	90.5	91.5	93.1	94.9	96.0	97.8	98.6	98.7	99.2	99.2	99.6	99.6
≥ 0	67.6	83.9	86.1	88.0	90.8	91.8	93.4	95.3	96.3	98.3	98.2	98.9	99.0	99.6	99.9	99.9
≥ 0	67.6	83.9	86.1	88.0	90.8	91.8	93.4	95.3	96.3	98.3	98.3	99.0	99.1	99.7	99.7	100.0
≥ 0	67.6	83.9	86.1	88.0	90.8	91.8	93.4	95.3	96.3	98.3	98.3	99.0	99.1	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 220 SALENA AFS AK STATION NAME

73-82 YEARS

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	
NO. CEILING	30.3	48.1	49.7	49.4	50.5	50.5	50.8	51.8	52.1	52.8	53.5	53.8	53.9	53.9	53.9	53.9
≥ 2000	30.5	49.4	50.3	50.7	51.9	51.9	52.2	53.2	53.5	54.2	54.9	55.2	55.3	55.3	55.3	55.3
≥ 1800	31.2	50.2	51.0	51.5	52.6	52.6	53.0	53.9	54.3	54.9	55.7	56.0	56.1	56.1	56.1	56.1
≥ 1600	31.5	50.5	51.3	51.8	53.0	53.0	53.3	54.3	54.6	55.2	56.0	56.3	56.4	56.4	56.4	56.4
≥ 1400	32.0	51.1	52.7	52.4	53.6	53.6	53.9	54.9	55.2	55.9	56.6	57.0	57.1	57.1	57.1	57.1
≥ 1200	32.4	51.6	52.9	52.9	54.0	54.0	54.4	55.3	55.7	56.3	57.0	57.6	57.4	57.5	57.5	57.5
≥ 1000	33.4	52.9	53.7	54.2	55.3	55.3	55.7	56.6	57.0	57.6	58.4	58.7	58.8	58.8	58.8	58.8
≥ 900	34.5	53.9	54.8	55.2	56.4	56.4	56.7	57.7	58.0	58.7	59.4	59.8	59.9	59.9	59.9	59.9
≥ 800	36.7	57.8	58.8	59.3	60.6	60.6	60.9	61.9	62.2	62.9	63.6	64.0	64.1	64.1	64.1	64.1
≥ 700	38.4	61.2	62.1	62.7	64.1	64.1	64.4	65.4	65.7	66.3	67.1	67.4	67.5	67.5	67.5	67.5
≥ 6000	39.2	62.9	64.2	64.7	66.3	66.3	66.9	67.9	68.2	68.9	69.7	70.0	70.1	70.1	70.1	70.1
≥ 5000	40.1	68.0	69.4	70.0	71.6	71.6	72.3	73.5	73.8	74.5	75.3	75.6	75.7	75.7	75.7	75.7
≥ 4500	41.2	69.5	70.9	71.5	73.1	73.1	73.8	75.0	75.3	76.1	76.8	77.1	77.2	77.2	77.2	77.2
≥ 4000	43.1	73.1	75.0	76.5	78.4	78.4	79.2	80.4	80.7	81.4	82.2	82.5	82.6	82.6	82.6	82.6
≥ 3500	43.9	76.1	77.9	79.5	82.2	82.3	83.4	84.7	85.0	85.9	86.6	86.9	87.1	87.1	87.1	87.1
≥ 3000	44.6	77.1	79.0	80.6	83.5	83.6	85.1	86.5	86.8	87.7	88.5	88.8	88.9	88.9	88.9	88.9
≥ 2500	44.9	78.9	80.7	82.5	85.7	85.8	87.5	89.0	89.3	90.2	90.9	91.3	91.4	91.4	91.4	91.4
≥ 2000	45.5	80.8	82.6	84.7	88.0	88.1	89.9	91.4	91.8	92.7	93.4	93.7	93.9	93.9	93.9	93.9
≥ 1800	45.5	80.9	82.9	84.9	88.2	88.3	90.1	91.6	92.0	92.9	93.6	94.0	94.1	94.1	94.1	94.1
≥ 1600	45.7	82.0	83.9	86.0	89.3	89.4	91.3	92.8	93.2	94.1	94.8	95.1	95.3	95.3	95.3	95.3
≥ 1400	45.7	82.3	84.3	86.3	89.6	89.8	91.7	93.2	93.6	94.7	95.5	95.8	95.9	95.9	95.9	95.9
≥ 1200	45.4	83.7	84.9	86.9	90.3	90.5	92.6	94.1	94.6	96.0	96.8	97.1	97.2	97.2	97.2	97.2
≥ 1000	45.8	83.1	85.0	87.1	90.4	90.6	92.7	94.2	94.7	96.1	97.0	97.4	97.6	97.6	97.6	97.6
≥ 900	45.8	83.3	85.2	87.3	90.6	90.8	92.9	94.4	94.9	96.3	97.2	97.6	97.8	97.8	97.8	97.8
≥ 800	46.0	83.4	85.3	87.4	90.9	90.9	93.0	94.5	95.0	96.4	97.3	97.7	98.0	98.0	98.0	98.0
≥ 700	46.0	83.5	85.4	87.6	90.9	91.2	93.2	94.8	95.3	96.8	97.6	98.1	98.3	98.3	98.3	98.3
≥ 600	46.1	84.0	86.0	88.3	91.8	92.0	94.1	95.7	96.2	97.6	98.5	98.9	99.1	99.1	99.1	99.1
≥ 500	46.1	84.3	86.2	88.6	92.0	92.2	94.3	95.9	96.4	97.8	98.7	99.1	99.6	99.7	99.7	99.7
≥ 400	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0	100.0
≥ 300	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0	100.0
≥ 200	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0	100.0
≥ 100	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0	100.0
≥ 0	46.1	84.4	86.3	88.9	92.3	92.6	94.6	96.2	96.8	98.2	99.0	99.5	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

# CEILING VERSUS VISIBILITY

7-220 SALENA AFS AK STATION NAME

73-82 YEAR

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	≥0
NO CEILING ≥2000	31.7	51.7	52.7	52.8	54.0	54.2	54.5	55.0	55.1	56.4	56.6	57.3	57.7	57.7	57.7	57.7
≥1800 ≥600	32.1	52.9	53.2	53.9	55.2	55.3	55.7	56.2	56.3	57.6	57.8	58.5	58.9	58.9	59.9	58.9
≥1400 ≥1200	32.9	53.7	54.0	54.8	56.1	56.2	56.5	57.1	57.2	58.5	58.7	59.3	59.8	59.8	59.8	59.8
≥1000 ≥900	33.2	54.3	54.6	55.3	56.6	56.7	57.3	57.6	57.7	59.0	59.2	59.9	60.3	60.3	60.3	60.3
≥800 ≥700	34.4	55.9	56.2	57.0	58.3	58.4	58.7	59.2	59.3	60.6	60.8	61.5	61.9	61.9	61.9	61.9
≥600 ≥500	36.9	60.3	60.4	61.4	62.7	62.8	63.1	63.6	63.8	65.0	65.3	65.9	66.3	66.3	66.3	66.3
≥450 ≥400	38.3	63.2	63.5	64.4	65.8	65.9	66.2	66.8	66.9	68.2	68.4	69.0	69.5	69.5	69.5	69.5
≥300 ≥200	39.1	65.2	65.5	66.3	68.0	68.1	68.4	68.9	69.3	70.6	70.8	71.4	71.8	71.8	71.8	71.8
≥150 ≥100	40.1	69.9	71.2	72.3	74.1	74.4	75.1	75.6	75.9	77.2	77.5	78.1	78.5	78.5	78.5	78.5
≥75	40.5	70.8	72.2	73.4	75.2	75.5	76.2	76.7	77.3	78.5	79.2	79.6	79.6	79.6	79.6	79.6
≥50	41.9	73.7	75.4	76.9	79.2	79.6	80.5	81.0	81.3	82.7	83.5	83.6	84.0	84.0	84.0	84.0
≥30	42.7	76.9	79.1	80.7	83.2	83.6	84.5	85.1	85.4	87.1	87.3	87.9	88.3	88.3	88.3	88.3
≥20	42.9	77.8	79.8	81.7	84.1	84.6	85.9	86.5	86.8	88.5	88.7	89.3	89.8	89.8	89.8	89.8
≥15	43.3	79.9	82.7	83.8	86.4	86.8	88.1	88.8	89.2	90.8	91.0	91.7	92.1	92.1	92.1	92.1
≥10	43.4	81.8	83.7	85.8	88.7	89.1	90.5	91.2	91.6	93.2	93.4	94.1	94.5	94.5	94.5	94.5
≥7.5	43.7	82.2	84.4	86.2	89.1	89.6	91.0	91.7	92.1	93.7	94.0	94.6	95.0	95.0	95.0	95.0
≥5	43.8	82.5	84.8	86.6	89.5	90.1	91.5	92.1	92.6	94.2	94.4	95.0	95.5	95.5	95.5	95.5
≥3.75	43.9	83.3	85.5	87.4	90.3	90.8	92.2	93.0	93.4	95.0	95.3	95.9	96.3	96.3	96.3	96.3
≥2.5	43.8	83.6	85.9	87.7	90.6	91.2	92.6	93.3	93.7	95.4	95.6	96.2	96.7	96.7	96.7	96.7
≥1.875	43.8	83.7	86.0	87.8	90.7	91.3	92.7	93.4	93.9	95.5	95.7	96.3	96.8	96.8	96.8	96.8
≥1.5	43.8	83.9	86.3	88.1	91.0	91.6	93.0	93.7	94.2	95.8	96.0	96.7	97.1	97.1	97.1	97.1
≥1.25	43.9	84.1	86.5	88.3	91.3	91.8	93.2	94.0	94.4	96.1	96.3	97.0	97.4	97.4	97.4	97.4
≥1	43.9	84.3	86.6	88.5	91.4	91.9	93.3	94.1	94.5	96.2	96.4	97.1	97.5	97.5	97.5	97.5
≥0.75	44.0	85.1	87.5	89.4	92.4	93.0	94.4	95.1	95.6	97.3	97.5	98.2	98.6	98.6	98.6	98.6
≥0.5	44.1	85.2	87.6	89.9	92.8	93.4	94.8	95.6	96.0	97.8	98.1	98.7	99.4	99.4	99.4	99.4
≥0.375	44.1	85.3	87.9	90.2	93.2	93.7	95.3	96.0	96.4	98.3	98.6	99.2	99.9	99.9	99.9	99.9
≥0.25	44.1	85.3	87.9	90.2	93.2	93.7	95.3	96.0	96.4	98.4	98.7	99.4	100.0	100.0	100.0	100.0
≥0.1	44.1	85.3	87.9	90.2	93.2	93.7	95.3	96.0	96.4	98.4	98.7	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

# CEILING VERSUS VISIBILITY

2-220 GALENA AFS AK STATION NAME

73-82 YEARS

85C

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO. CEILING ≥ 20000	32.1	46.6	47.2	47.8	48.8	48.9	49.4	50.2	50.4	51.1	51.9	52.1	52.4	52.4	52.5	52.5
2 18000	33.2	48.1	48.7	49.4	50.4	50.5	51.0	51.8	52.0	52.7	53.5	53.7	54.0	54.0	54.1	54.1
2 16000	34.0	49.1	49.7	50.3	51.3	51.4	51.9	52.8	52.9	53.7	54.4	54.7	55.0	55.0	55.1	55.1
2 14000	34.2	49.3	49.9	50.6	51.6	51.7	52.2	53.0	53.2	53.9	54.7	54.9	55.2	55.2	55.3	55.3
2 12000	34.6	49.8	50.4	51.0	52.1	52.2	52.7	53.5	53.7	54.4	55.2	55.4	55.7	55.7	55.8	55.8
2 10000	35.0	50.3	50.9	51.5	52.6	52.7	53.2	54.1	54.2	55.0	55.7	55.9	56.2	56.3	56.4	56.4
2 9000	37.2	52.7	53.4	54.0	55.1	55.2	55.7	56.5	56.7	57.4	58.2	58.4	58.7	58.7	58.8	58.9
2 8000	37.9	53.6	54.2	54.8	55.9	56.0	56.5	57.3	57.5	58.3	59.0	59.2	59.5	59.6	59.7	59.7
2 7000	40.7	57.9	58.6	59.3	60.4	60.5	61.1	61.9	62.1	62.9	63.6	63.9	64.2	64.2	64.3	64.3
2 6000	42.7	61.3	62.1	62.8	64.0	64.2	64.7	65.5	65.7	66.5	67.3	67.5	67.8	67.8	67.9	67.9
2 5000	44.3	63.9	64.9	65.6	66.9	67.1	67.7	68.6	68.8	69.7	70.4	70.7	71.0	71.0	71.1	71.1
2 4500	46.1	67.9	69.3	70.2	71.8	72.0	72.8	73.9	74.3	75.2	75.9	76.2	76.5	76.5	76.6	76.6
2 4000	47.1	69.2	70.7	71.6	73.1	73.4	74.2	75.3	75.7	76.6	77.4	77.6	77.9	78.0	78.0	78.1
2 3500	48.1	72.4	74.2	75.9	77.5	77.8	78.9	80.1	80.7	81.7	82.6	82.9	83.1	83.1	83.2	83.2
2 3000	49.7	75.7	76.9	78.3	80.5	80.9	82.0	83.4	84.0	85.1	86.0	86.3	86.6	86.6	86.7	86.7
2 2500	50.2	76.1	78.1	79.5	81.8	82.2	83.5	85.1	85.7	86.9	87.8	88.0	88.4	88.4	88.5	88.5
2 2000	50.4	77.6	79.6	81.1	83.6	84.0	85.5	87.0	87.7	88.9	89.9	90.0	90.3	90.4	90.5	90.5
2 1800	51.2	79.9	82.1	83.7	86.3	86.7	88.2	89.8	90.5	91.7	92.7	92.9	93.2	93.2	93.3	93.3
2 1600	51.4	80.2	82.5	84.1	86.7	87.1	88.6	90.3	91.0	92.2	93.1	93.4	93.7	93.8	93.8	93.8
2 1400	51.7	81.1	83.4	85.0	87.6	88.1	89.7	91.4	92.1	93.4	94.3	94.6	94.9	95.0	95.0	95.0
2 1200	51.9	81.7	84.0	85.7	88.3	88.9	90.5	92.3	93.0	94.3	95.2	95.5	95.8	95.8	95.9	95.9
2 1000	51.9	82.2	84.6	86.3	89.0	89.5	91.2	93.0	93.8	95.2	96.1	96.4	96.7	96.8	96.8	96.8
2 900	52.0	82.4	84.8	86.5	89.2	89.8	91.5	93.3	94.1	95.5	96.5	96.8	97.1	97.1	97.2	97.2
2 800	52.0	82.7	85.1	86.9	89.5	90.1	91.9	93.7	94.5	96.0	97.0	97.2	97.6	97.6	97.7	97.7
2 700	52.1	83.0	85.3	87.1	89.8	90.4	92.2	94.0	94.8	96.4	97.3	97.6	97.9	98.0	98.1	98.1
2 600	52.1	83.2	85.6	87.4	90.1	90.7	92.5	94.3	95.2	96.7	97.7	97.9	98.3	98.3	98.4	98.4
2 500	52.2	83.4	86.7	87.9	90.6	91.2	93.0	94.9	95.7	97.4	98.4	98.6	98.9	99.0	99.1	99.1
2 400	52.2	83.6	86.1	88.1	90.9	91.5	93.3	95.3	96.1	97.7	98.7	99.0	99.4	99.5	99.6	99.6
2 300	52.2	83.5	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.3	99.7	99.8	99.9	99.9
2 200	52.2	83.6	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.4	99.8	99.9	100.0	100.0
2 100	52.2	83.6	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.4	99.8	99.9	100.0	100.0
2 00	52.2	83.6	86.2	88.3	91.0	91.7	93.5	95.5	96.3	98.0	99.1	99.4	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7420

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7-2225 STATION 73-82 YEAR ALL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	36.3	42.6	47.8	43.0	43.4	43.4	43.5	43.7	43.8	44.0	44.2	44.3	44.5	44.6	44.7	44.7
≥20000	42.3	46.3	46.5	46.7	47.1	47.1	47.3	47.4	47.5	47.7	48.0	48.1	48.2	48.3	48.4	48.4
≥18000	41.9	48.1	48.3	48.5	49.9	48.9	49.7	49.2	49.3	49.5	49.8	49.9	50.0	50.1	50.2	50.2
≥16000	42.2	48.3	48.5	48.8	49.1	49.2	49.3	49.5	49.5	49.8	50.0	50.1	50.3	50.4	50.5	50.5
≥14000	42.9	49.0	49.2	49.5	49.8	49.9	50.0	50.2	50.2	50.5	50.7	50.8	51.0	51.1	51.2	51.2
≥12000	43.0	50.1	50.4	50.6	51.0	51.0	51.2	51.3	51.4	51.7	51.9	52.0	52.2	52.3	52.4	52.4
≥10000	47.2	53.9	54.1	54.3	54.7	54.8	54.9	55.1	55.2	55.4	55.7	55.8	56.0	56.0	56.1	56.2
≥8000	48.3	55.3	55.3	55.5	55.9	56.0	56.1	56.3	56.4	56.6	56.9	57.0	57.2	57.2	57.3	57.4
≥6000	53.1	60.4	60.7	61.0	61.5	61.5	61.7	61.9	61.9	62.2	62.5	62.6	62.8	62.8	62.9	63.0
≥4000	56.7	64.8	65.1	65.4	65.8	65.9	66.1	66.3	66.4	66.7	66.9	67.1	67.2	67.3	67.4	67.4
≥2000	58.5	67.1	67.4	67.8	68.3	68.3	68.6	68.8	68.9	69.2	69.4	69.5	69.7	69.8	69.9	69.9
≥1000	62.4	71.9	72.4	72.8	73.3	73.4	73.7	74.0	74.1	74.4	74.7	74.8	75.0	75.1	75.2	75.2
≥500	63.8	73.5	74.7	74.4	75.0	75.1	75.4	75.7	75.8	76.1	76.4	76.5	76.7	76.8	76.9	76.9
≥250	67.8	78.4	79.7	79.5	80.2	80.3	80.7	81.1	81.2	81.6	81.9	82.0	82.2	82.3	82.4	82.4
≥150	70.5	81.9	82.6	83.2	84.0	84.1	84.5	84.9	85.1	85.5	85.8	86.0	86.1	86.2	86.3	86.4
≥100	72.4	84.4	85.2	85.8	86.7	86.8	87.4	87.9	88.0	88.5	88.8	88.9	89.1	89.2	89.3	89.4
≥75	73.7	86.2	87.1	87.7	88.7	88.8	89.5	90.0	90.2	90.7	91.0	91.1	91.3	91.4	91.5	91.6
≥50	75.1	88.2	89.1	89.8	91.0	91.2	91.8	92.4	92.7	93.3	93.6	93.7	93.9	94.0	94.1	94.2
≥30	75.2	88.6	89.5	90.3	91.4	91.6	92.3	92.8	93.1	93.7	94.0	94.1	94.3	94.4	94.5	94.6
≥20	75.7	89.3	90.3	91.2	92.4	92.6	93.4	94.0	94.3	94.9	95.2	95.4	95.6	95.7	95.8	95.8
≥15	76.1	90.0	91.0	92.0	93.2	93.4	94.3	94.9	95.2	95.9	96.3	96.4	96.6	96.7	96.8	96.9
≥10	76.2	90.3	91.3	92.3	93.5	93.8	94.7	95.4	95.7	96.5	96.9	97.0	97.3	97.3	97.5	97.5
≥7.5	76.3	90.4	91.5	92.5	93.7	94.0	94.9	95.6	96.0	96.7	97.1	97.3	97.5	97.6	97.7	97.8
≥5	76.3	90.4	91.7	92.6	93.9	94.1	95.1	95.8	96.2	97.0	97.4	97.6	97.8	97.9	98.0	98.1
≥3.5	76.4	90.7	91.9	92.8	94.1	94.4	95.3	96.1	96.5	97.3	97.8	97.9	98.1	98.2	98.3	98.4
≥2.5	76.5	90.9	92.0	93.0	94.3	94.6	95.6	96.4	96.7	97.6	98.1	98.2	98.4	98.5	98.7	98.7
≥2	76.5	91.1	92.2	93.3	94.6	94.9	95.9	96.7	97.1	98.0	98.6	98.7	99.0	99.1	99.2	99.3
≥1.5	76.6	91.2	92.3	93.4	94.8	95.1	96.1	97.0	97.4	98.3	98.9	99.1	99.4	99.5	99.6	99.7
≥1	76.6	91.2	92.4	93.4	94.8	95.1	96.2	97.0	97.5	98.4	99.0	99.2	99.6	99.6	99.9	99.9
≥0.75	76.6	91.2	92.4	93.4	94.8	95.1	96.2	97.0	97.5	98.5	99.1	99.3	99.6	99.7	99.9	100.0
≥0.5	76.6	91.2	92.4	93.4	94.8	95.1	96.2	97.0	97.5	98.5	99.1	99.3	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 67673

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBLSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBLSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SKY COVER**

7 0220 STATION GALENA AFS AK 73-82 PERIOD JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
JAN	00-02	31.9			14.8							16.6	37.5	5.7	905
	03-05	30.6			17.4							15.9	36.2	5.6	899
	06-08	25.1			24.1							16.7	34.1	5.6	912
	09-11	11.5			23.8							31.4	33.3	6.9	978
	12-14	12.4			22.8							29.8	35.3	5.9	917
	15-17	12.5			23.5							27.8	36.2	6.8	920
	18-20	26.1			22.8							21.1	36.1	6.2	912
	21-23	28.6			17.0							18.5	35.9	5.8	910
TOTALS		21.6			20.7							22.2	35.5	6.2	7269

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SKY COVER

70 22 STATION GALENA AFS AK STATION NAME 73-82 PERIOD FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	39.7			13.0						13.6	28.7	4.6	818
	03-05	36.9			12.0						13.7	3.3	4.8	874
	06-08	26.3			26.6						18.7	29.1	5.3	811
	09-11	19.9			31.3						20.9	27.9	5.6	824
	12-14	24.2			28.0						21.4	26.4	5.4	882
	15-17	25.4			24.9						22.0	27.7	5.5	886
	18-20	31.1			23.9						17.7	28.0	5.7	886
	21-23	32.2			19.2						15.7	26.6	4.6	834
TOTALS		34.3			23.9						17.7	28.1	5.1	5625

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

72-220 STATION WALENA AFS AK STATION NAME 73-82 PERIOD Mar MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8	9	10				
MAR	00-02	34.2			22.3								12.6	31.0	8.9	930
	03-05	32.7			17.7								15.0	33.4	5.3	929
	06-08	16.7			25.8								25.4	32.2	5.3	930
	09-11	17.3			21.6								28.3	32.9	6.5	927
	12-14	17.7			23.0								28.4	30.9	6.3	929
	15-17	18.1			23.8								28.9	29.2	6.2	930
	18-20	16.6			25.7								27.6	30.1	6.3	930
	21-23	26.8			24.8								18.1	30.3	5.4	930
TOTALS		22.4			23.3								23.0	31.3	5.9	7435

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

SKY COVER

70-220 ALENA AFS AK 73-82 ADR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	23.3			27.3						20.1	29.2	6.6	930
	03-05	14.9			29.0						22.9	33.8	6.3	897
	06-08	10.2			25.7						27.9	36.2	6.9	930
	09-11	11.6			26.3						26.1	36.0	6.7	930
	12-14	11.4			24.8						27.9	35.9	6.8	930
	15-17	11.4			25.2						28.9	38.9	6.8	930
	18-20	11.3			25.0						28.6	35.7	6.8	899
	21-23	13.0			28.3						25.2	33.9	6.5	930
TOTALS		13.3			26.5						25.9	34.3	6.6	7196

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
A WEATHER SERVICE/MAC

SKY COVER

70220 GALLNA AFS AK 73-82 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	7.3			35.1						32.7	24.9	6.5	930
	03-05	7.6			35.0						39.8	22.6	6.7	930
	06-08	8.6			29.1						37.1	25.2	6.7	930
	09-11	7.0			30.7						38.9	27.4	6.8	929
	12-14	6.3			25.4						43.2	25.1	7.2	930
	15-17	5.3			25.3						46.2	25.2	7.8	930
	18-20	4.6			28.0						43.7	23.8	7.1	930
	21-23	5.8			31.5						36.7	26.0	6.8	930
TOTALS		6.6			29.1						39.3	25.0	6.9	7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

**SKY COVER**

75-220 STATION    GALENA AFS AK    STATION NAME    73-82    PERIOD    JUN    MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	2.1			23.7						38.2	36.4	7.8	900
	03-05	2.4			25.4						33.9	33.3	7.6	899
	06-08	3.1			24.3						35.9	36.7	7.6	900
	09-11	3.3			23.3						37.2	36.1	7.7	900
	12-14	2.0			21.1						43.4	33.4	7.9	900
	15-17	1.1			20.8						46.4	31.7	8.0	899
	18-20	.9			20.4						50.6	28.1	8.0	899
	21-23	1.6			23.9						43.9	31.1	7.8	899
TOTALS		2.0			22.9						41.8	33.3	7.8	7196

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

700020  
 STATION

GALENA AFS AK  
 STATION NAME

73-82  
 PERIOD

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	3.1			28.4						36.1	32.4	7.3	927
	03-05	3.2			24.6						40.2	31.9	7.6	927
	06-08	3.5			20.5						41.5	38.5	7.8	927
	09-11	3.2			23.5						38.2	35.5	7.7	929
	12-14	2.4			22.4						44.2	31.2	7.8	929
	15-17	2.0			21.5						46.7	29.8	7.8	930
	18-20	2.4			27.0						43.2	27.6	7.8	930
	21-23	3.6			26.6						39.7	30.2	7.4	928
TOTALS		2.9			24.3						41.2	31.6	7.6	7427

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SKY COVER

7220  
STATION

GALENA AFS AK  
STATION NAME

73-82  
PERIOD

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	5.5			28.8						33.7	32.0	7.1	928
	03-05	2.5			25.1						34.5	37.9	7.7	925
	06-08	2.8			21.7						40.5	35.7	7.8	926
	09-11	3.5			21.9						38.6	35.9	7.7	930
	12-14	2.4			21.6						45.7	30.3	7.8	930
	15-17	1.6			21.0						50.2	27.2	7.9	928
	18-20	1.5			23.9						48.2	26.4	7.7	928
	21-23	2.9			26.8						42.2	28.2	7.4	937
TOTALS		2.8			23.8						41.7	31.6	7.6	7425

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVIC./MAC

**SKY COVER**

7 220 STATION GALENA AFS AK STATION NAME 73-82 PERIOD SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	12.2			24.1						23.6	40.1	6.9	897
	03-05	6.6			21.7						28.9	40.8	7.3	893
	06-08	4.9			17.5						36.6	47.9	7.9	895
	09-11	4.7			20.6						36.5	38.3	7.7	899
	12-14	3.8			21.2						38.2	37.8	7.8	900
	15-17	4.3			18.8						39.9	36.6	7.8	900
	18-20	5.3			17.9						37.4	39.4	7.8	899
	21-23	8.9			24.2						27.2	39.8	7.1	898
TOTALS		6.7			20.6						33.5	39.2	7.5	7181







2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

7 2220 STATION GALENA AFS AK STATION NAME 73-82 PERIOD ALL MONTH

PERCENTAGE FREQUENCY OF OCCURENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	21.6			20.7						22.2	35.5	6.2	7269
FEB		30.3			23.9						17.7	28.1	5.1	6625
MAR		22.4			23.3						23.0	31.3	5.9	7435
APR		13.3			26.5						25.9	34.3	6.6	7196
MAY		6.6			29.1						39.3	25.0	6.9	7439
JUN		2.0			22.9						41.8	33.3	7.8	7196
JUL		2.9			24.3						41.2	31.6	7.6	7427
AUG		2.8			23.9						41.7	31.6	7.6	7425
SEP		6.7			20.6						33.5	39.2	7.5	7181
OCT		10.5			15.6						23.6	50.2	7.6	7426
NOV		16.8			20.8						22.3	40.6	6.7	7173
DEC		23.6			21.7						17.8	37.0	6.0	7261
TOTALS		17.3			22.8						29.2	34.8	6.8	87653

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

\* Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 7 2220 GALENA AFS AK

DAILY TEMPERATURES

53-82

STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						.1							.0
85						.9	1.8	.2					.2
80					.4	4.2	7.3	1.6					1.2
75					1.1	12.8	20.9	6.8	.1				3.5
70					3.1	31.0	41.8	16.2	.4				7.9
65					13.0	53.9	61.6	38.6	3.8				14.5
60				.2	29.3	76.6	81.7	63.1	13.7				22.4
55				1.3	48.7	91.9	95.6	87.7	34.8	.3			30.5
50			.1	3.6	65.6	98.4	99.5	98.2	59.2	1.2			36.0
45			.3	10.7	81.4	99.8	100.0	100.0	76.4	5.2	.1		40.0
40	.4	.2	1.8	24.3	92.4	100.0			90.2	14.4	.8	.3	44.2
35	2.1	1.7	9.3	43.0	96.6				97.4	30.4	3.7	2.0	49.3
30	6.0	6.8	18.2	59.8	98.8				99.6	50.5	8.2	4.7	54.9
25	10.7	11.4	29.3	74.3	99.3				100.0	66.8	16.3	8.0	63.1
20	17.1	16.8	43.5	84.5	99.9					81.1	27.1	13.2	65.7
15	24.9	26.5	53.8	91.1	100.0					90.2	39.7	21.3	71.0
10	32.1	37.4	65.3	97.2						96.1	58.4	30.3	76.7
5	40.9	48.6	76.2	99.1						98.3	70.8	39.4	81.3
0	50.6	58.5	84.1	100.0						99.2	80.1	48.5	85.3
-5	59.7	66.7	89.8							99.7	86.2	57.2	88.4
-10	68.0	75.7	93.9							99.9	90.3	65.9	91.2
-15	74.5	84.2	97.1							100.0	93.7	73.7	93.7
-20	80.6	90.4	99.6								96.9	78.5	95.5
-25	84.0	96.1	99.9								98.2	84.0	96.8
-30	89.5	98.5	100.0								99.0	88.7	98.0
-35	93.7	99.5									99.8	92.4	98.8
-40	97.0	99.9									100.0	95.7	99.4
-45	99.2	100.0										98.9	99.8
-50	99.7											99.6	99.9
-55	100.0											99.8	100.0
-60												100.0	100.0
MEAN	-1.5	2.9	15.0	31.4	53.5	65.4	67.5	62.6	50.9	28.6	10.4	-2.9	32.0
S D	20.51	16.91	14.81	11.14	9.88	7.93	8.08	7.20	8.14	10.46	14.68	20.34	29.20
TOTAL OBS	89	19	89	87	89	90	93	93	90	93	90	92	1083

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

71220 GALENA AFS AK

STATION

STATION NAME

53-62

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

191950

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65								.2					.0
60						1.3	4.4	1.3					.6
55						13.2	29.1	11.2	.2				4.6
50					1.2	44.2	70.1	44.5	3.0				13.9
45					10.0	61.9	92.5	75.7	14.6	.1			23.4
40				.2	31.3	93.8	98.8	90.5	36.9	1.5			29.9
35				3.7	60.2	99.2	100.0	98.4	63.0	6.9		.1	35.5
33	.2		.7	6.8	70.9	99.9		99.4	72.8	10.9	.3		39.0
30	.3	.2	1.7	12.3	82.6			99.8	83.3	19.0	1.6	.2	42.3
25	1.8	2.1	4.3	24.4	91.0	100.0		100.0	93.4	35.5	4.0	1.1	47.0
20	4.0	4.5	10.0	38.3	96.2				98.9	50.5	8.6	3.0	51.7
15	8.0	7.9	16.7	49.2	98.2				99.7	63.4	14.2	6.7	55.9
10	14.0	13.1	24.9	62.0	99.0				100.0	73.3	23.9	12.4	60.7
5	19.0	18.9	32.4	70.9	99.7					83.1	37.1	17.4	65.3
0	24.1	24.1	42.2	79.2	99.9					89.1	49.4	22.5	69.6
-5	31.6	32.5	51.3	85.7	100.0					94.1	59.8	30.5	74.2
-10	40.0	42.4	58.6	91.1						97.3	70.1	38.2	78.5
-15	48.6	51.8	68.2	97.1						98.8	78.0	47.6	82.8
-20	55.7	58.4	75.1	98.5						99.4	83.7	54.5	85.6
-25	63.7	66.1	82.5	99.8						99.9	88.6	63.0	88.8
-30	69.6	73.4	89.1							100.0	93.8	70.3	91.5
-35	75.9	81.7	93.2	100.0							96.9	79.5	94.0
-40	84.6	88.6	96.2								98.9	86.6	96.3
-45	91.5	94.9	98.4								99.8	93.2	98.2
-50	96.2	99.0	99.6								100.0	98.3	99.4
-55	99.1	99.8	100.0									99.5	99.9
-60	99.9	100.0										99.8	100.0
-65	100.0											100.0	100.0
MEAN	-16.7	-15.1	-5.6	12.6	35.4	48.6	51.7	48.0	36.7	17.6	-2.7	-16.9	16.1
S D	21.097	19.819	19.177	14.719	7.883	5.306	4.801	5.745	7.407	13.149	16.555	19.888	29.690
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	927	10803

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 70.220 GALENA AFS AK  
 STATION STATION NAME

53-82

DAILY TEMPERATURES

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP. °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75						.1	.1	.1					.0
70						3.0	5.3	1.0					.8
65					.4	10.9	22.0	5.7					3.3
60					1.8	35.8	51.5	22.8	.7				9.6
55					9.6	68.1	81.5	56.1	4.9				18.7
50					30.3	91.1	96.7	86.9	20.4				27.6
45				1.1	55.4	96.0	99.9	97.2	54.2	1.1			34.4
40				6.6	76.2	99.8	100.0	100.0	74.1	5.7			39.1
35	.3	.1	1.2	17.0	89.9	100.0			89.7	17.1	1.2	.2	43.6
30	1.8	1.8	5.7	31.7	95.0				97.1	33.0	3.1	1.0	48.0
25	4.7	5.5	12.3	47.7	97.7				99.6	50.1	8.6	3.3	53.0
20	9.1	9.2	22.1	62.5	99.1				100.0	66.0	15.0	7.0	58.0
15	14.8	14.8	31.6	74.0	99.8					73.3	25.1	12.4	63.0
10	21.0	21.1	41.9	81.8	99.9					86.9	37.9	19.1	67.9
5	27.7	28.9	52.5	89.3	100.0					93.8	52.6	25.9	72.9
0	35.6	40.0	62.4	95.3						97.0	64.9	33.5	77.7
-5	45.2	51.0	71.1	98.7						98.5	75.4	42.8	82.1
-10	53.3	58.0	79.5	99.5						99.2	82.1	51.3	85.5
-15	61.0	65.9	87.2	99.9						99.9	97.5	60.0	88.6
-20	69.0	75.0	91.2	100.0							91.2	67.9	91.3
-25	75.5	82.5	95.9							100.0	95.7	75.8	93.9
-30	81.2	89.6	98.0								97.9	82.2	95.8
-35	88.1	95.5	99.8								99.1	88.3	97.6
-40	93.4	99.1	100.0								99.9	93.5	98.8
-45	96.7	99.0									100.0	97.3	99.5
-50	99.2	100.0										99.5	99.9
-55	99.7											99.6	99.9
-60	100.0											99.9	100.0
-65												100.0	100.0
MEAN	-9.2	-6.1	4.7	22.2	44.7	57.3	59.8	55.5	44.0	23.3	3.9	-10.0	24.2
S.D.	20.56	18.23	16.71	12.46	8.34	6.10	5.73	5.55	6.98	11.56	15.44	19.88	29.35
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	927	10803

2

FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

70220 SILENA AFS AK 53-82  
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						80	89	70	63	52	25	20	
54	20	21	50	49	72	81	81	75	61	55	40	30	81
55	29	23	34	45	65	74	86	77	63	44	18*	35	86
56	11	23	39	50	69	77	83	77	65	37	36	17	83
57	40	33	38	51	70	85	85	77	75	49	35	21	85
58	18	33	39	60	73	80	86	74	58	41	28	20	86
59	14	35	26	44	66	83	75	80	62	49	23	17	83
60	29	34	35	58	80	75	86	79	59	45	28	35	86
61	40	11	36	44	69	74	82	70	61	42	35	35	82
62	35	35	41	45	65	82	83	80	63	44	31	25	83
63	34	30	38	49	75	72	80	77	71	50	19	37	80
64	10	33	24	39	67	80	77	77	65	46	35	15	80
65	32	9	42	42	66	79	82	70	70	37	43	32	82
66	17	25	32	48	65	74	76	82	63	47	36	26	82
67	21	35	38	57	64	82	85	79	63	49	44	78	85
68	38	37	31	42	61	75	87	87	61	39	25	35	87
69	24	36	33	53	76	92	77	65	68	56	24	30	92
70	22	39	42	49	67	75	81	74	61	44	40	40	81
71	17	18	38	46	63	88	78	68	60	39	27	36	88
72	37	23	20	41	67	79	84	78	63	43	29	33	84
73	35	27	39	44	68	80	77	73	68	44	38	44	80
74	43	5	34	53	82	81	82	83	68	30	36	13	83
75	32	34	34	47	70	75	81	77	60	47	33	19	81
76	22	31	36	55	65	78	85	79	65	52	38	18	85
77	34	34	34	44	65	80	89	81	68	49	23	39	89
78	26	34	29	56	70	73	80	77	70	37	36	32	80
79	28	8	42	57	71	78	82	77	68	55	45	27	82
80	34	39	41	51	69	72	80	70	60	44	25	16	80
81	35	32	38	42	80	80	76	80	65	42	34	18	80
82	8	41	37	41	61	81	85	73	65	40	28	38	85
MEAN	27.1	28.2	35.9	48.4	69.1	78.8	82.0	76.2	64.4	44.9	31.9	27.8	63.4
SD	9.845	9.933	6.028	5.926	5.411	4.609	3.895	4.817	4.056	6.085	7.312	9.120	3.095
TOTAL OBS	899	819	899	870	899	900	930	930	900	930	900	927	10803

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

2  
 FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MINIMUM TEMPERATURE

30 220 GALENA AFS AK  
 STATION STATION NAME

53-82  
 YEARS

(FROM DAILY OBSERVATIONS)

IN HOLES DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						43	42	39	24	-13	-16	-36	
54	-38	-45	-36	-6	29	41	42	39	17	12	-18	-50	-50
55	-49	-47	-37	-24	23	37	45	33	21	-11	-30	-48	-49
56	-47	-52	-49	-31	30	35	43	37	22	-23	-41	-47	-52
57	-49	-47	-22	-12	22	44	44	42	15	-12	-9	-54	-54
58	-40	-29	-13	0	7	43	44	38	24	-7	-32	-46	-46
59	-42	-26	-50	-17	21	36	37	38	20	-1	-15	-41	-50
60	-51	-31	-30	-24	31	29	40	37	24	5	-33	-23	-51
61	-35	-37	-39	-14	26	43	42	38	25	-6	-43	-62	-62
62	-54	-35	-35	-14	7	37	48	32	22	-3	-31	-39	-54
63	-41	-48	-32	-11	19	34	44	38	25	-12	-36	-33	-48
64	-43	-47	-51	-35	10	40	44	44	25	2	-23	-50	-51
65	-49	-45	-30	-4	-1	38	38	34	22	-5	-18	-48	-49
66	-45	-44	-50	-24	14	43	39	31	25	-10	-27	-48	-50
67	-44	-43	-26	-1	22	34	41	35	31	-10	-28	-37	-44
68	-52	-57	-30	-19	15	33	46	34	12	-10	-26	-51	-57
69	-53	-51	-35	-25	30	33	41	28	26	1	-38	-25	-53
70	-40	-43	-27	-13	16	35	42	36	12	-25	-19	-51	-51
71	-61	-50	-54	-17	17	43	43	40	21	2	-39	-44	-61
72	-53	-46	-39	-24	24	35	45	41	21	2	-13	-45	-53
73	-50	-46	-36	-6	17	40	38	36	21	-7	-44	-35	-50
74	-50	-49	-41	-11	23	34	38	42	27	-10	-49	-54	-54
75	-59	-41	-43	-22	19	42	39	40	23	-29	-38	-51	-59
76	-46	-56	-30	-11	29	43	36	39	31	-9	-19	-41	-56
77	-39	-22	-42	-25	22	44	49	41	29	-11	-27	-47	-47
78	-37	-48	-21	-15	32	41	44	39	26	6	-14	-29	-48
79	-27	-46	-25	0	34	39	42	38	29	14	-6	-45	-46
80	-53	-19	-25	9	30	39	45	34	26	7	-11	-40	-53
81	-17	-44	-5	-1	27	36	40	34	25	4	-28	-31	-44
82	-38	-37	-20	-18	6	38	47	39	34	-8	-31	-36	-38
MEAN	-45.4	-42.4	-33.6	-14.3	20.8	38.4	42.3	37.2	23.5	-5.6	-26.8	-42.7	-51.4
S.D.	9.477	9.463	11.676	10.372	8.858	4.556	3.269	3.585	5.084	10.098	11.376	9.231	5.405
TOTAL OBS.	899	819	899	870	899	900	930	930	900	930	900	927	10803

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-3 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

73-22 GALENA AFS AK 73-82 JAN MONTH YEARS

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb
41			.1															3	3	
37																		1	1	1
35		.1																5	6	2
33		.5	.2															19	19	5
31		1.1	.7	.5														5	5	6
29	.4	1.1	.5															19	19	14
27	.7	1.4	.7															21	21	18
25	1.1	1.7	.7															17	17	22
23	1.4	2.1	.7															17	17	23
21	1.7	2.8	1.5															37	37	14
19	2.1	3.5	2.5															36	36	22
17	2.5	4.0	3.0	.1														33	33	34
15	2.9	4.5	3.5	.2														37	37	35
13	3.3	5.0	4.0															27	27	42
11	3.7	5.5	4.5															33	33	31
9	4.1	6.0	5.0															29	29	32
7	4.5	6.5	5.5															29	29	28
5	4.9	7.0	6.0															37	39	33
3	5.3	7.5	6.5															34	34	32
1	5.7	8.0	7.0															34	34	32
-1	6.1	8.5	7.5															28	29	33
-3	6.5	9.0	8.0															34	39	45
-5	6.9	9.5	8.5															21	21	19
-7	7.3	10.0	9.0															33	33	39
-9	7.7	10.5	9.5															34	35	34
-11	8.1	11.0	10.0															19	19	19
-13	8.5	11.5	10.5															18	18	18
-15	8.9	12.0	11.0															32	32	32
-17	9.3	12.5	11.5															26	26	26
-19	9.7	13.0	12.0															12	13	12
-21	10.1	13.5	12.5															22	22	22
-23	10.5	14.0	13.0															11	11	11
-25	10.9	14.5	13.5															18	18	18
-27	11.3	15.0	14.0															10	10	10
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

70220 GALINA AFS AK 73-82 JAN 1950-0201  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
1-29	2.9																																24	24	24	20	
1-31	.7																																6	6	6	19	
1-33	1.7																																14	14	14	18	
3-1-35	1.6																																13	15	13	14	
1-37	.7																																2	9	2	23	
1-39																																		13	13	13	22
1-41																																			21		18
1-43																																		19		8	
4-4-45	.1																																1	19	1	6	
4-7-47																																			11		3
1-49																																			3		1
1-51	.1																																	1	3	1	1
2-53																																			1		1
4-55																																			9		1
5-7-57																																			9		1
TOTAL	15.3	37.7	6.3	.7																														614	229	814	814

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_n$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3682017	53407	65.6	14.711	814		49.8	92.3				93
Wet Bulb	472148	-4078	-4.4	22.124	814		45.0	92.4				93
Dew Point	23173	237	.3	16.882	814		56.2	93.3				93
	352793	-6563	-8.1	19.206	814							93

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-225 GALENA AFS AK 73-82 JULY  
 STATION STATION NAME YEARS MONTH

PAGE 0 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
1-27	1.0																	12	12	12	24
1-29	2.3																	18	18	18	20
1-31	.5																	6	5	6	17
1-33	1.4																	11	11	11	12
1-35	.1																	4	13	4	16
1-37	.1																	1	14	1	25
1-39																			17		13
1-41	.1																	1	14	1	14
1-43																			27		5
4-45																			19		1
1-47																			17		2
1-49																			7		
1-51																			3		
2-53																			7		
4-55																			11		
5-57																			5		
TOTAL	12.340	1	7.1	.9															793	937	793

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3567939	51925	65.514	675	793							
Dry Bulb	492873	-4321	-4.622	564	930	49.7	92.1					93
Wet Bulb	215905	933	1.116	477	793	44.1	92.4					93
Dew Point	326564	-5814	-7.318	934	793	55.6	93.0					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-2225 GALENA AFS AK 73-82 YEARS JAN MONTH

PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
37 / 37			.1															1	1	
35 / 35			.3															2	2	
33 / 33			.4	.5														7	7	1
31 / 31		.4	.5	.4														6	8	3
29 / 29		.6	.4															8	8	1
27 / 27	.1	1.3	1.3															25	25	12
25 / 25	.8	1.3	.6															21	21	6
23 / 23	.1	1.5	.6															16	18	13
21 / 21	1.4	1.1	.1															21	21	12
19 / 19	.3	4.5	1.8															47	47	30
17 / 17	.4	4.3	.6															42	42	14
15 / 15	1.0	2.7																29	29	23
13 / 13	.5	2.0																21	21	23
11 / 11	2.3	1.7																31	32	34
9 / 9	.9	1.9																22	23	33
7 / 7	.9	2.9																30	32	40
5 / 5	.8	1.8																20	20	24
3 / 3	.8	2.3																24	24	23
1 / 1	1.4	4.6																47	47	21
-1 / -1	2.5	2.2																37	37	28
-3 / -3	1.9	1.9																29	30	17
-5 / -5	1.4	1.1																20	23	32
-7 / -7	2.8																	22	22	23
-9 / -9	3.7																	29	29	27
-11 / -11	4.0																	31	31	22
-13 / -13	2.7																	21	21	16
-15 / -15	4.0																	31	31	18
-17 / -17	2.9																	23	23	32
-19 / -19	2.7																	21	21	31
-21 / -21	1.5																	12	12	26
-23 / -23	2.8																	22	22	15
-25 / -25	2.7																	21	21	24
-27 / -27	1.0																	8	8	31
-29 / -29	1.3																	10	10	34
Element (X)	Σ X <sup>2</sup>	Σ X	X	X <sub>A</sub>	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

2

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7 1220 GALENA AFS AK 73-82 JAN 1954  
 STATION STATION NAME YEARS MONTH

PAGE 2 2600-2800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/-31	1.3																	10	17	17	7
1/-33	1.0																	3	8	8	19
3 1/-35	.1																	1	7	1	11
2 1/-37	.5																	2	29	2	25
1 1/-39																			17		9
1 1/-41																			17		11
2 1/-43																			16		13
4 1/-45																			23		4
4 1/-47																			9		3
4 1/-49																			10		
1 1/-51	.1																	1	6	1	
1 1/-53																			5		
4 1/-55																			5		
5 1/-57																			8		
5 1/-59																					1
TOTAL	52.44	0.2	6.5	.9															793	030	783

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3523829	51277	65.5	14.561	783							
Dry Bulb	532836	-4732	-5.1	22.702	930	50.4	92.7					93
Wet Bulb	208289	849	1.1	16.216	783	44.8	92.9					93
Dew Point	309902	-5726	-7.3	18.513	783	56.4	93.7					93

USAFETAC FORM 0-26-5 (D.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 54

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

7-220 STATION CALENA AFS AK STATION NAME 73-82 YEARS JAN MONTH

PAGE 1 1900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
35 / 35				.1																													1	1	
34 / 32			.5	.3																													6	6	
33 / 31		.3	.4	.3																													7	7	
32 / 29		.9	.5																														11	11	
31 / 27		.9	1.1																														15	15	15
30 / 25	.5	1.6	.5																														21	21	21
29 / 23	.3	1.0	1.1																														19	19	19
28 / 21	.5	1.9																															19	19	19
27 / 19	1.3	4.2	2.0	.1																													50	60	79
26 / 17	.5	3.7	.3																														36	36	43
25 / 15	.5	3.0																															28	28	43
24 / 13	.9	1.6																															19	19	26
23 / 11	1.3	2.5																															40	37	25
22 / 9	.5	3.0																															50	33	26
21 / 7	.8	1.8																															20	27	26
20 / 5	.4	3.5																															21	31	26
19 / 3	1.3	2.9																															33	33	40
18 / 1	1.3	1.3																															44	48	41
17 / -1	3.5	1.3																															40	41	43
16 / -3	1.6	2.2																															36	37	32
15 / -5	1.8	.9																															21	21	23
14 / -7	3.3																																26	26	32
13 / -9	5.2																																41	41	41
12 / -11	2.5																																20	20	20
11 / -13	1.9																																14	14	14
10 / -15	2.7																																21	21	21
9 / -17	2.7																																21	21	21
8 / -19	3.5																																28	28	28
7 / -21	1.5																																14	14	14
6 / -23	3.0																																24	24	24
5 / -25	2.3																																18	18	18
4 / -27	1.9																																15	15	15
3 / -29	.5																																5	5	5
2 / -31	.5																																4	4	4
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\% \bar{X}$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
MET WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 SALENA AFS AK 73-62 JAN MONTH

PAGE 0 0700-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
1/-33	1.1																	9	11	9	13
2/-35	.5																	4	17	4	14
3/-37	.4																	3	17	3	22
4/-39																			16		23
5/-41																			11		13
6/-43																			12		9
7/-45																			24		1
8/-47																			11		
9/-49																			13		
10/-51																			7		
11/-53																			9		
12/-55																			1		
13/-57																			5		
14/-59																			5		
TOTAL	11.24	1.6	6.5	.8															739	93.1	789

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	3563639	51930	65.7	14.421	789	49.9	92.3					93
Wet Bulb	489997	-4505	-5.7	22.425	437	43.7	93.7					93
Dew Point	198383	577	1.1	15.828	789	57.8	93.7					93
	299051	-5703	-7.2	18.089	789							93

USAFETAC FORM 0-26-5 (01A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL BUREAU OF SURVEYING  
 AIR WEATHER SERVICE/MAAC

# PSYCHROMETRIC SUMMARY

7 220 GALENA AFS AK 73-80 JAN 1950-1950  
 STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1 1200-1400

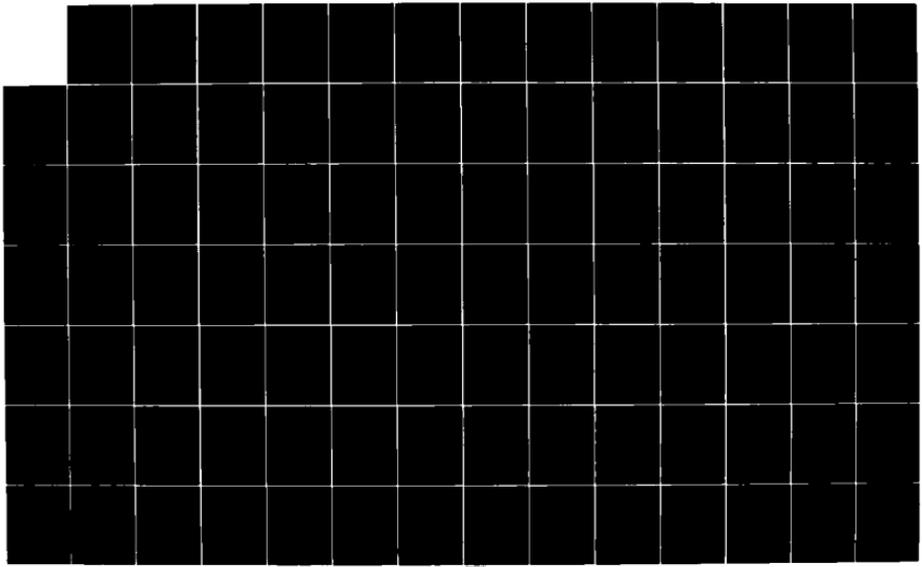
Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
35			.1															1	1		
33			.2	.1														3	3		
31		.4	.4	.4														9	9	2	
29		.7	1.1															13	15	3	
27		1.1	1.2															18	18	12	1
25	.5	1.2	.4															17	17	7	3
23	.1	1.2	.5															13	13	17	2
21	.5	2.7	.9															23	23	18	11
19	1.7	3.0	3.1	.2														48	59	44	19
17	.6	3.3	.4															35	35	28	27
15	.9	2.4																27	27	42	28
13	.2	1.8																17	17	21	34
11	2.3	2.3	.2															40	40	32	35
9	.5	2.6																26	26	30	28
7	.4	3.2	.1															20	20	27	36
5	1.1	2.4																29	29	29	16
3	1.5	3.1																37	37	43	20
1	1.5	4.7																52	52	45	30
-1	2.7	1.1																33	33	41	30
-3	2.1	2.1																34	34	31	25
-5	1.5	1.6																28	28	25	26
-7	4.1	.1																34	34	45	20
-9	4.7																	30	39	39	29
-11	2.1																	17	17	17	21
-13	1.1																	9	9	9	23
-15	2.4																	20	20	20	20
-17	2.4																	20	20	20	27
-19	2.5																	11	21	21	45
-21	2.1																	17	17	17	20
-23	2.2																	18	18	18	23
-25	1.5																	12	12	12	28
-27	1.6																	13	13	13	28
-29	1.8																	15	15	15	13
-31	1.5																	16	16	16	15
Element (X)	Σ X <sup>2</sup>	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

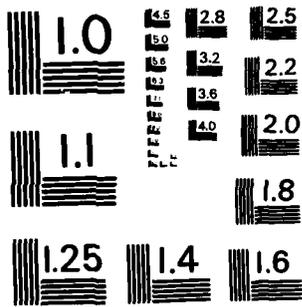
USAFETAC FORM 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A134 211 GALENA AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A... 28 JUL 83  
UNCLASSIFIED USAFETAC/DS-83/035 SBI-AD-E850 429 F/G 4/2

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NL





MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/LMAC

# PSYCHROMETRIC SUMMARY

STATION: 7 220 JALENA AFS AK STATION NAME: JALENA AFS AK YEARS: 73-82 MONTH: JAN  
 PAGE 2 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
7-33	1.1																	9	9	9	19
34-35	.9																	7	16	7	14
37-37	.1																	1	11	1	29
7-39																			13		14
7-41																			11		13
7-43																			23		5
47-45																			15		1
47-47																			9		1
7-49																			9		
7-51																			2		
7-53																			3		
47-55																			5		
TOTAL	51.24	3.6	7.5	.7														823	933	823	923
											Mean No. of Hours with Temperature										
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_n^2$	No. Obs.	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Rel. Hum.	3742352	54252	65.914	214	923																
Dry Bulb	428522	-3300	-3.221	233	930	47.0	92.6					93									
Wet Bulb	210844	896	1.115	960	823	42.9	93.0					93									
Dew Point	306948	-5914	-7.217	938	823	57.0	93.0					93									

USAFETAC FORM 0-26-5 (OL A) REVISÉ WITHOUT NOTATION OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 10222 GALENA AFS AK STATION NAME 73-82 YEARS JAN MONTH

PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
41 / 37			.1															1	1		
40 / 37			.1															1	1		
39 / 35		.1	.2	.1														4	4	1	
38 / 33			.2															2	2	3	
37 / 31		.4	1.2	.5														17	17	2	
36 / 27		.4	.8															10	10	3	
35 / 27		.6	.6	.4														13	13	12	
34 / 25	.5	.5	.4															11	11	22	
24 / 23	.2	.7	.6															13	13	14	
27 / 21	1.3	1.0	1.0	.1														25	25	22	
17 / 19	.7	4.1	2.0															57	57	33	
17 / 17	.6	3.4	.4															36	36	19	
17 / 15	.5	3.4																32	32	26	
18 / 13	.8	2.5																26	28	28	
17 / 11	2.3	2.5	.1															41	41	35	
17 / 9	1.6	2.5																34	34	46	
17 / 7	.7	1.4	.1															19	19	49	
17 / 5	.8	2.8																30	30	26	
17 / 3	1.4	3.6																42	42	24	
17 / 1	1.1	2.9																32	32	29	
17 / -1	4.0	1.7																47	47	12	
-1 / -3	2.4	1.8																35	35	31	
-4 / -5	1.3	1.7																25	25	22	
-6 / -7	4.5																	38	38	26	
-1 / -9	4.3																	36	36	33	
-7 / -11	2.5																	21	21	16	
-1 / -13	1.2																	10	10	22	
-14 / -15	2.5																	21	21	31	
-17 / -17	3.0																	25	25	37	
-15 / -19	2.6																	22	22	37	
-17 / -21	1.8																	15	15	33	
-21 / -23	2.4																	20	20	30	
-24 / -25	1.3																	11	11	24	
-27 / -27	1.7																	14	14	19	
Element (X)	Σ X'	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712227 CALEVA AFS AK 73-82 JAN 1500-1700  
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	=31	Dry Bulb	Wet Bulb	Dew Point
-27/-29	1.4																	12	12	12	16
-27/-31	1.1																	9	9	9	9
-27/-33	1.8																	15	15	15	27
-34/-35	1.0																	8	18	6	26
-37/-37																			22		17
-37/-39																			12		13
-37/-41																			17		12
-42/-43																			11		6
-44/-45																			15		2
-44/-47																			5		
-47/-49																			4		1
-47/-53																			3		
-47/-55																			3		
TOTAL	53.137.9	7.9	1.1																832	832	932

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3834277	54965	66.119	432	832							
Dry Bulb	403279	-2537	-2.720	577	932	48.2	92.2					93
Wet Bulb	219991	827	1.015	903	832	44.4	92.6					93
Dew Point	309011	-6037	-7.317	865	832	56.0	93.0					93

USAFETAC FORM 0-26-5 (OL A) 15 MAR 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73220 SILENA AFS AK

73-82

JUN  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		=31	Dry Bulb	Wet Bulb	Dew Point
1/-29	1.5																	12	12	12	21
1/-31	1.3																	8	8	8	11
1/-33	1.0																	16	19	16	20
31/-35	.7																	6	12	6	16
1/-37	.2																	2	21	2	32
1/-39	.1																	1	14	1	11
1/-41																			17		19
1/-43																			13		7
4/-45																			12		1
4/-47																			9		1
4/-49																			7		
1/-51																			5		
2/-53																			3		
4/-55																			1		
51/-57																			2		
TOTAL	53.7	40.2	6.1	.6															824	930	824

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	371680	59070	65.819	.321	824							
Dry Bulb	424556	-3424	-3.721	.058	930	50.2	92.5					93
Wet Bulb	214853	385	.516	.151	824	45.9	92.7					93
Dew Point	326984	-6502	-7.818	.302	824	55.9	93.0					93

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
 U.S. METAC  
 AIR WEATHER SERVICE/HAD

# PSYCHROMETRIC SUMMARY

STATION 73220 WALENA AFS AK STATION NAME 73-82 YEARS JAS MONTH

PAGE 1 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
41			.4															3	3		
37																					
33		.2	.4	.1														6	6		
31		.9	.5	.4														14	14	3	2
27	.1	1.1	.5															14	14	11	3
27	.2	.4	1.2	.4														18	18	20	5
25	.2	1.2	1.7															20	20	7	12
23		1.3	.1															12	12	27	5
21	.2	1.2	.7															18	18	19	4
19	.9	3.2	1.6															46	46	27	13
17	.1	2.6	.5															26	26	33	19
15	.2	3.8	.2															32	32	35	29
13	1.1	1.9																24	24	34	29
11	1.2	2.6																36	36	33	32
9	1.1	3.1																34	34	35	36
7	1.3	3.5																37	37	32	41
5	.7	2.9																30	30	32	28
3	1.7	1.6																27	27	39	29
1	.7	2.7																28	28	27	38
-1	2.9	1.3																35	35	32	18
-3	2.7	2.0																38	38	41	23
-5	2.4	1.6																33	33	29	21
-7	2.7	.1																23	23	35	22
-9	4.7																	33	33	33	26
-11	3.4																	28	28	28	25
-13	2.3																	16	16	16	16
-15	4.0																	33	34	33	44
-17	2.2																	18	18	18	16
-19	4.3																	35	36	35	27
-21	1.7																	14	14	14	21
-23	1.5																	12	12	12	22
-25	1.7																	14	14	14	34
-27	1.7																	14	15	14	32
-29	2.8																	23	23	23	28
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 84 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/LMAC

# PSYCHROMETRIC SUMMARY

1220 GALENA AFS AK 73-82 JAN  
 STATION STATION NAME YEARS MONTH

PAGE 7 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	Dry Bulb	Wet Bulb	Dew Point																	
1-31	.0																																7	7	7	14	
2-33	1.6																																13	13	13	20	
3-35	.2																																2	8	2	27	
4-37	.2																																2	13	2	19	
5-39																																			15		21
6-41																																		19		17	
7-43	.1																																1	13	1	5	
8-45																																		12		3	
9-47																																		6			
10-49																																		5			
11-51																																		6			
12-53																																		7			
1-55																																		1			
2-57																																		2			
3-59																																		1			
TOTAL	53.438	7.1	.9																															819	931	819	
																																		819			

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	36569.2	5344	65.314	39.7	819							93
Wet Bulb	441071	-3721	-4.532	21.419	937	50.5	92.1					93
Dew Point	215891	327	.416	29.1	819	45.6	92.7					93
	332710	-6592	-8.018	49.0	819	56.1	93.0					93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-22-82 GALENA AFS AK 73-82 JAN MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb
44/ 43				.0														1	1	
42/ 41			.1	.1														9	9	
40/ 39			.0															2	2	
38/ 37			.0															3	3	8
36/ 35		.0	.1	.0														10	10	5
34/ 33	.0	.1	.3	.1														37	37	8
32/ 31		.5	.6	.4														96	96	18
30/ 29	.1	.7	.7	.0														91	91	61
28/ 27	.1	1.0	1.0	.1														144	144	114
26/ 25	.4	1.2	.7															151	151	167
24/ 23	.2	1.3	.5															125	125	161
22/ 21	.7	1.5	.5	.0														178	178	180
20/ 19	.9	3.3	1.7	.0														384	384	215
18/ 17	.4	3.5	.5															284	284	326
16/ 15	.6	3.4	.1															267	267	337
14/ 13	.7	2.5	.0															211	211	255
12/ 11	1.7	2.3	.0															244	245	276
10/ 9	1.2	2.7																251	253	243
8/ 7	.9	2.5	.0															218	219	213
6/ 5	.8	2.3																224	205	218
4/ 3	1.4	2.7																263	264	297
2/ 1	1.1	3.6																304	304	270
0/ -1	3.1	1.4																291	291	305
-2/ -3	2.2	2.0																269	270	294
-4/ -5	2.3	1.4																218	218	202
-6/ -7	3.4	.0																225	225	304
8/ -9	3.9																	253	254	253
10/ -11	3.1																	200	200	183
-12/ -13	1.0																	126	126	137
-14/ -15	3.4																	220	221	220
-16/ -17	2.7																	172	172	172
-18/ -19	2.9																	181	183	181
-20/ -21	2.0																	130	130	130
-22/ -23	2.1																	133	133	133
Element (X)	Σ X'	Σ X	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7 225 GALENA AFS AK 73-82 JAN  
 STATION STATION NAME YEARS MONTH

PAGE 2 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
1/-25	1.2																	123	123	123	227
2/-27	1.6																	105	106	105	211
3/-29	1.8																	119	119	119	154
4/-31	1.0																	66	66	66	122
5/-33	1.5																	95	100	95	147
6/-35	.7																	45	106	45	148
7/-37	.2																	13	138	13	193
8/-39	.2																	1	112	1	120
9/-41	.3																	1	126	1	117
10/-43	.2																	1	129	1	55
11/-45	.5																	1	139	1	26
12/-47																			68		10
13/-49																			57		4
14/-51	.3																	2	32	2	1
15/-53																			36		
16/-55																			37		1
17/-57																			25		1
18/-59																			4		1
TOTAL	52.7	39.6	6.9	.8														6477	7439	5477	6477
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	29260754	425150	65.614	459	6477	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3652282	-30398	-4.121	779	7439	395.7	737.6					744									
Wet Bulb	1704989	5231	.816	206	6477	356.6	741.6					744									
Dew Point	2564001	-48851	-7.518	413	6477	450.9	744.0					744									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 7-223 GALENA AFS AK STATION NAME 73-62 YEARS FEB MONTH

PAGE 1 3000-0200  
HOURS (L. P. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
42/ 41		.1																1	1	
41/ 39		.1																1	1	1
37/ 37		.1																1	1	1
35/ 35			.7															5	5	1
33/ 33		.5	.4															7	7	3
31/ 31		1.2	1.1															17	17	12
29/ 29		1.2	.9															16	16	6
27/ 27	.1	.9	.4															11	11	21
25/ 25	.3	.8	.4															11	11	17
23/ 23	.1	.4	.4															7	7	6
21/ 21		1.6	.4															15	15	12
19/ 19	.3	.9	.4															12	12	15
17/ 17	.1	2.8	1.1															30	30	11
15/ 15	.5	2.2	.3															22	22	15
13/ 13	.4	1.9																17	17	24
11/ 11	.3	1.4																12	12	12
9/ 9	.4	1.9																17	17	17
7/ 7	.4	1.1																11	11	21
5/ 5	.9	.9																14	14	9
3/ 3	1.1	3.8																33	33	23
1/ 1	2.2	4.2																47	47	25
-1/ -1	3.8	1.5																39	39	16
-3/ -3	1.2	1.9																23	23	20
-5/ -5	2.3	1.2																26	26	28
-7/ -7	3.7	.1																28	28	19
-9/ -9	3.8																	28	28	19
-11/ -11	1.9																	14	14	16
-13/ -13	2.2																	21	21	19
-15/ -15	3.8																	28	28	33
-17/ -17	2.3																	17	17	39
-19/ -19	4.1																	30	30	20
-21/ -21	3.8																	25	25	23
-23/ -23	3.8																	28	28	16
-25/ -25	3.7																	27	27	14
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7 220 CALENA AFS AK 73-82 FEB MONTH

PAGE 2 0000-0000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb		Dew Point		
1-21	2.5																			19	19	19	7
1-23	3.5																			26	26	26	26
1-31	2.8																			21	21	21	21
1-33	3.2																			24	27	24	29
1-35	.9																			7	15	7	39
1-37																					23		19
1-39																					14		27
1-41	.1																			1	11	1	21
1-43																					17		15
1-45																					14		15
1-47																					11		4
1-49																					1		1
1-51																					6		3
1-53																					1		
TOTAL	50.9	32.6	6.5																	739	45	739	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
						= 67 F	= 73 F	= 80 F	= 93 F		
Rel. Hum.	3.99764	46782	63.313653		739						
Dry Bulb	441595	-6787	-8.321409		846	53.5	82.5				84
Wet Bulb	247208	-2904	-3.317879		739	50.8	83.3				89
Dew Point	423187	-9513	-12.920184		739	60.7	83.7				89

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

7 222 VALENA AFS AK 73-82 FEB 1950-1951  
 STATION STATION NAME YEARS MONTH

PAGE 1 7400-25-10  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
4 / 5		.1																1	1																	
5 / 37		.3																2	2	1																
6 / 35			.7															5	5	2																
7 / 23		.3	.4															5	5	1																
8 / 31		1.1	1.3															17	17	8																
9 / 27		.3	1.8															15	15	11																
10 / 27	.4	1.5	.4															17	17	14	5															
11 / 25	.4	.7	.3															10	10	11	14															
12 / 23		.3	.6															6	6	5	4															
13 / 21		1.7	.1															13	13	6	7															
14 / 19	.1	1.3	.4															13	13	22	26															
15 / 17		2.4	.6															21	21	8	12															
16 / 15	.8	2.9	.1															77	27	21	1															
17 / 13		2.1																15	15	27	22															
18 / 11	.7	1.1																13	13	17	10															
19 / 9	.1	2.7																20	20	14	15															
20 / 7	.5	1.1																12	12	21	22															
21 / 5	1.4	2.2																26	26	23	16															
22 / 3	.6	1.7																16	16	19	21															
23 / 1	1.3	4.2																39	39	28	20															
24 / -1	4.1	1.0																36	36	48	20															
25 / -3	1.5	1.3																22	22	18	14															
26 / -5	1.7	1.7																24	24	22	25															
27 / -7	2.4																	17	17	27	15															
28 / -9	4.3																	31	31	31	26															
29 / -11	3.2																	23	23	28	12															
30 / -13	2.5																	20	20	20	4															
31 / -15	3.9																	28	28	28	24															
32 / -17	2.7																	19	19	19	36															
33 / -19	5.3																	36	38	38	10															
34 / -21	3.6																	26	26	26	21															
35 / -23	2.7																	19	19	19	21															
36 / -25	3.5																	25	25	25	22															
37 / -27	1.1																	22	22	22	16															
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/AFAC

**PSYCHROMETRIC SUMMARY**

STATION 222 SALENA AFS AK STATION NAME 73-82 YEARS MONTH FEB

PAGE 1 7300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
1-29	3.1																																22	22	22	22
1-31	2.4																																17	17	17	17
1-33	3.2																																23	23	23	23
5-35	1.4																																10	27	10	30
1-37																																		25		32
1-39																																		15		21
1-41																																		15		25
1-43																																		14		16
4-45																																		15		10
4-47																																		16		4
4-49																																		7		1
1-51																																		4		1
2-53																																		1		
4-55																																		2		
TOTAL	61.5	31.7	6.7																															715	746	715

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2266588	44988	62.9	13.798	715	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	492569	-7803	-9.2	22.843	346	54.9	82.7					84
Wet Bulb	236281	-2841	-4.0	17.830	715	51.5	83.6					84
Dew Point	409635	-9315	-13.0	20.094	715	59.8	83.6					84

US WAFETAC FORM 0-26-5 (O.L.A.) REVISED WITHOUT INDICATION OF THIS FORM ARE OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-220 GALENA AFS AK 73-82 YEARS FEB MONTH

PAGE 1 2630-2800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
37		.3																2	2		
35		.1	.9															7	7	2	
33			.3															2	2	3	1
31		.1	1.3															10	10	4	2
29		.7	2.0															19	19	4	
27	.4	2.1	.1															19	19	16	4
25	.3	.1	.6															7	7	32	7
23	.1	.1	.6															6	6	3	3
21	.3	1.7	.3															16	16	12	11
19	.3	1.6	.7															18	18	16	32
17	.3	1.6	.9															19	19	16	6
15	.1	2.7																20	20	16	13
13	.4	2.3																17	17	31	19
11	.3	2.1																16	16	12	15
9	.7	1.8																19	18	19	18
7	.3	2.0																16	16	17	13
5	.7	1.1																13	13	19	25
3	.4	1.6																19	19	13	18
1	1.1	4.7																41	41	31	19
-1	2.1	1.3																24	24	34	7
-3	1.6	1.8																24	24	27	14
-5	2.7	1.4																29	29	26	25
-7	3.8																	27	27	36	22
-9	3.3																	27	27	27	23
-11	3.3																	23	23	23	10
-13	2.7																	19	19	19	19
-15	3.1																	22	22	22	29
-17	3.7																	26	26	26	33
-19	2.3																	16	16	16	29
-21	3.1																	22	22	22	28
-23	5.1																	36	36	36	16
-25	3.8																	27	27	27	17
-27	3.3																	23	23	23	20
-29	3.1																	22	22	22	15
Element (X)	Σ X'	Σ X	X	°	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AND WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7 220 CALENA AFS AK 73-67 FEB 1968  
STATION STATION NAME YEARS MONTH  
PAGE 2 7630-3800  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
1/-01	2.3																	16	16	15	23					
2/-33	3.7																	25	28	29	22					
3/-35	1.4																	17	23	14	14					
4/-37																			21		37					
5/-39																			15		33					
6/-41																			20		31					
7/-43																			15		21					
8/-45																			17		11					
9/-47																			17		7					
10/-49																			17							
11/-51																										
12/-53																										
13/-55																										
14/-57																										
TOTAL	61.231.2	7.5																704	845	704	734					

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						+0 F	+32 F	+67 F	+73 F	+80 F	+93 F	
Rel. Hum.	2916865	44281	62.913.683		704							
Dry Bulb	512432	-8560	-17.222.399		845	55.7	82.9					89
Wet Bulb	238850	-3130	-4.417.888		704	52.3	83.9					89
Dew Point	913738	-9482	-13.520.171		704	59.7	83.9					89

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION 220 CALENA AFS AK STATION NAME 73-82 YEARS FEB MONTH

PAGE 1 1973-11-0 HOURS (C. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
35			.4															3	3																	
33	.1	.3	.3															5	5	3																
31		.3	2.3															19	19	5	2															
29	.1	.6	.6															9	9	4	2															
27	.1	1.7	.4															16	16	21	3															
25	.4	1.1	.4															14	14	23	4															
23	.1	1.1	.1															10	10	11	7															
21	.3	1.4	.1															13	13	13	9															
19		2.2	1.1															24	24	14	32															
17		2.1	.3															17	17	20	11															
15	.1	1.5	.1															13	13	16	9															
13	.1	2.6																20	20	22	13															
11	1.2	1.5																20	20	22	18															
9	.8	1.0																13	13	17	27															
7	.4	1.7																15	15	15	19															
5	1.3	1.5																18	18	15	15															
3	.8	3.2																29	29	22	15															
1	1.2	3.9																37	37	35	18															
-1	2.5	1.7																31	31	27	18															
-3	2.3	2.2																33	33	21	12															
-5	3.3	1.0																31	31	30	22															
-7	4.4	.1																33	33	38	23															
-9	2.1																	15	15	15	21															
-11	2.5																	20	20	20	17															
-13	1.2																	9	9	9	23															
-15	3.0																	22	22	22	34															
-17	4.4																	32	32	32	47															
-19	4.3																	31	31	31	22															
-21	4.3																	31	31	31	16															
-23	3.2																	28	28	28	11															
-25	3.4																	25	25	25	3															
-27	3.7																	27	27	27	20															
-29	2.9																	21	21	21	16															
-31	2.9																	21	21	21	20															
Element (X)	Σ X'	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL-A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR LEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

2 220 CALENA AFS AK 73-62 YEARS FEB MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																	
1-35	7.3																																	17	17	17	25
2-35	7.																																	5	23	9	27
3-37																																			21		43
4-39																																			23		46
5-41																																			12		24
6-43																																			8		16
7-45																																			13		9
8-47																																			16		1
9-49																																			8		
10-51																																			9		
11-53																																			3		
12-55																																			2		
TOTAL	61.0	32.3	6.2																																727	245	727
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	I	No. Obs.			Mean No. of Hours with Temperature					Total																									
Rel. Hum.	722563	45811	63.13.679	727	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																											
Dry Bulb	455642	-7412	-9.821.503	846	54.7	83.2						84																									
Wet Bulb	232104	-2990	-8.017.416	727	51.9	83.7						84																									
Dew Point	405703	-9505	-13.119.689	727	60.4	84.0						84																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL BUREAU OF INVESTIGATION  
 CLIMATE DIVISION  
 METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 220 GALENA AFB AK STATION NAME 73-82 YEARS FEB MONTH

PAGE 1 1207-14-0  
 HOURS (C. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL					TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
35		.5	.9	.1													12	12		
33	.4		1.1	.4													15	15	11	
31		.5	1.6														16	18	4	6
29		.7	.7														12	12	17	1
27		1.0	.2	.2													12	12	19	7
25	.2	1.4	.9														20	20	19	10
23	.1	.7	.2														9	9	16	10
21		1.5	.9														22	22	16	13
19		.6	.9														12	12	19	21
17	.1	2.0	.6														22	22	13	13
15	.1	3.0	.1														25	25	26	10
13	.5	1.6	.1														18	18	26	14
11	.9	2.1															24	24	20	35
9	.5	1.2	.1														15	15	19	21
7		3.5	.1														29	29	16	18
5	.6	3.2															31	31	36	16
3	.7	4.3															41	41	35	21
1	.8	4.6															41	41	44	21
-1	2.7	.9															30	30	44	17
-3	2.4	1.5															31	31	33	24
-5	2.1	.9															24	24	29	23
-7	2.2																18	18	21	25
-9	3.5																28	28	28	24
-11	4.1																33	33	33	15
-13	3.5																29	29	29	23
-15	4.3																35	35	30	24
-17	3.8																31	31	31	26
-19	3.3																31	31	31	39
-21	4.5																36	36	36	20
-23	2.7																22	22	22	24
-25	2.7																22	22	22	37
-27	2.5																20	20	20	24
-29	2.4																19	20	19	52
-31	.7																6	6	6	26
Element (X)	Σ X'	Σ X	X	°A	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL-A) REVISO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7220 GALENA AFS AK 73-82 FEB  
 STATION STATION NAME YEAR MONTH

PAGE 1 1270-1422  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	=31	Dry Bulb	Wet Bulb	Dew Point
7-33	1.2																	10	17	13	27
34-35	.4																	3	12	3	31
7-37																			7		5
7-39																			4		14
7-41																			7		14
27-43																			5		5
47-45																			4		4
7-47																			1		2
7-49																			1		1
TOTAL	4.5	3.6	2.8	.6	.7													807	646		807

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3153959	49335	61.113	81	807							
Dry Bulb	312767	-2171	-2.619	867	846	46.4	81.3					84
Wet Bulb	230442	-1326	-1.616	829	807	46.7	82.9					84
Dew Point	391171	-9783	-11.918	934	807	59.5	88.7					84

USAFETAC FORM 84 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 22 GALENA AFS AK STATION NAME: 73-82 YEARS: FEB MONTH: FEB

PAGE 1 1500-1700  
 HOURS (C. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb
4 / 30			.1	.1													2	2		
7 / 37			.1														1	1		
7 / 35		.1	.1														2	2	1	
3 / 33		1.0	1.0														23	23	7	1
7 / 31		1.1	1.1														18	18	9	5
7 / 29		.6	.8	.4													15	15	22	3
7 / 27	.4	.4	1.0	.1													15	15	17	6
2 / 25		1.2	1.0														23	23	15	15
7 / 23		.2	1.4														14	14	22	9
2 / 21		1.2	.6														15	15	17	10
7 / 19		1.6	.2														15	15	24	17
1 / 17	.4	2.5	1.0														32	32	14	11
1 / 15		1.2	.7														16	16	27	21
1 / 13	.5	2.2	.4														26	26	17	20
1 / 11	.6	2.6															27	27	30	17
1 / 9	.5	2.5	.1														27	27	30	22
7 / 7	.2	4.3	.4														41	41	26	19
7 / 5	.4	3.0															28	28	44	19
7 / 3	.6	4.7															44	44	35	20
7 / 1	.5	3.0															30	33	42	31
7 / -1	2.0	.7															23	27	22	24
7 / -3	2.0	.7															23	23	25	22
7 / -5	1.7	1.6															27	27	20	25
7 / -7	3.6																30	30	41	25
7 / -9	4.3																36	36	36	17
7 / -11	4.0																38	38	38	28
1 / -13	3.2																27	27	27	28
1 / -15	4.7																39	39	39	25
1 / -17	4.4																37	37	37	27
1 / -19	3.7																31	31	31	34
7 / -21	2.5																21	21	21	32
2 / -23	2.5																21	21	21	34
2 / -25	1.9																16	16	16	37
2 / -27	2.6																22	22	22	32
Element (X)	Z <sub>g1</sub>	Z <sub>g</sub>	X	C <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC AIR 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-22-73 DALENA AFS AK 73-82 FEB MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
1/-29	1.1																	9	9	9	29
1/-31	1.0																	8	8	8	21
1/-33	.8																	4	4	4	25
3-1/-35	.8																	7	11	7	27
3-1/-37																			1		25
1/-39																			5		18
1/-41																			1		19
12/-43																			2		5
4/-45																					4
TOTAL	61.5	36.5	11.4	.6													933	946		833	

Element (X)	Σx'	Σx	Σ	Σn	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	31391.61	49827	59.8	13.812	833							84
Dry Bulb	271263	-99	-0.117	.910	846	42.9	81.2					84
Wet Bulb	226446	-386	-0.516	.491	833	43.8	83.2					89
Dew Point	388251	-8787	-10.518	.848	833	57.9	83.9					89

USAFETAC FORM 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

STATION 73-220 GALENA AFS AK STATION NAME 73-62 YEARS FEB MONTH

PAGE 1 1600-2200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
7 / 37			.4																												3	3			
7 / 35		.1																													1	1			
3 / 33		1.2	.4																											13	13	8			
7 / 31		1.1	1.1	.1																										18	19	7	5		
7 / 29		.9	1.1	.2																										18	19	12	6		
7 / 27	.1	.7	.6																											12	12	17	4		
7 / 25	.1	.4	.7																											10	10	18	12		
7 / 23		.5	.6																											9	9	12	7		
2 / 21	.1	1.5	.2																											15	15	13	7		
7 / 19	.1	2.5	.6																											26	26	21	14		
7 / 17	.1	2.7	.6																											28	28	25	16		
7 / 15		2.1	.2																											19	19	23	13		
7 / 13	.5	1.2	.1																											15	15	25	29		
7 / 11	.7	2.1	.1																											24	24	14	15		
7 / 9	.4	2.5																												23	23	27	14		
7 / 7	.1	3.5																												29	29	26	19		
7 / 5	.6	2.1																												22	22	25	20		
7 / 3	1.7	4.4																												50	50	43	24		
7 / 1	.9	5.4																												47	47	48	32		
7 / -1	2.2	1.2																												36	36	44	25		
-7 / -3	2.3	.9																												26	26	33	16		
-7 / -5	1.2	.5																												14	14	14	25		
-7 / -7	1.7	.1																												15	15	16	22		
-7 / -9	2.7																													22	22	22	22		
-7 / -11	4.0																													32	32	32	32		
-7 / -13	2.3																													23	23	23	22		
-7 / -15	3.1																													25	25	25	27		
-7 / -17	4.9																													40	40	40	43		
-7 / -19	3.9																													31	31	31	23		
-7 / -21	4.2																													32	32	32	19		
-7 / -23	3.6																													29	29	29	27		
-7 / -25	2.8																													23	23	24	26		
-7 / -27	2.2																													18	18	16	26		
-7 / -29	3.3																													27	27	27	40		
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 88 F$	$\leq 93 F$																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

7 22 GALENA AFS AK 73-82 YEARS FEB MONTH

PAGE 2 1870-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb	Dew Point
1-31	1.7																	14	14	14	15
2-33	2.3																	16	16	16	39
3-35	.5																	4	13	4	31
4-37																			9		34
5-39																			8		29
6-41																			3		13
7-43																			7		15
8-45																			3		2
9-47																					4
10-49																					4
TOTAL	59.137.7	6.9	.4															819	545	81	81

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Rel. Hum.	3165746	49354	67.918	0.00	810							
Dry Bulb	317759	-2805	-3.319	1.06	846	46.0	82.3					84
Wet Bulb	243528	-2034	-2.517	1.67	810	46.1	83.2					84
Dew Point	433426	-9892	-12.219	6.58	810	59.0	84.0					84

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
U.S. WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 222 GALENA AFS AK STATION NAME 73-62 YEARS MONTH FFB

PAGE 1 2100-23  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
37		.3	.4															5	5																		
35		.1																1	1	2																	
33		.6	.4															6	0	4																	
31		.9	.6	.4														16	15	0																	
29		1.0	1.3															18	19	7																	
27	.1	.6	.6															11	11	15	11																
25		.6	.5															9	0	7	4																
23		.4	.6															6	0	1	0																
21	.5	1.8	.1															19	19	14	13																
19	.4	1.4	.9															21	21	25	13																
17	.3	1.5	.3															22	22	13	14																
15	.3	2.7																23	23	22	13																
13	.4	1.6	.2															17	17	24	13																
11	.5	2.2																11	21	14	12																
9	.1	1.3																11	12	17	11																
7		1.3																10	13	13	16																
5	1.2	2.5																28	28	24	25																
3	1.7	4.7																40	40	38	15																
1	1.2	4.5																44	44	45	22																
-1	3.5	1.2																36	36	47	11																
-3	2.6	.8																26	26	33	16																
-5	2.3	.5																22	22	24	13																
-7	2.3																	15	13	21	19																
-9	3.5																	27	27	27	11																
-11	2.5																	19	19	19	25																
-13	1.0																	14	14	14	25																
-15	3.5																	27	27	27	32																
-17	3.8																	29	29	24	29																
-19	4.5																	35	35	25	23																
-21	2.8																	22	22	22	11																
-23	3.1																	24	24	24	15																
-25	4.8																	37	37	37	22																
-27	3.5																	27	27	27	21																
-29	3.1																	24	24	24	28																
Element (X)	Σ X'	Σ X	Y	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 DALENA AFS AK 73-82 YEARS FEB MONTH

PAGE 7 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1-21	2.1																	18	16	16	23
1-33	2.6																	20	20	20	26
3-1-35	1.3																	10	22	10	30
1-37																			18		30
1-39																			3		29
1-41																			11		23
1-43																			3		17
4-45																			3		11
4-47																			3		5
4-49																			5		1
1-51																					6
TOTAL	60.232.9	6.6	.4															773	46		773

Element (X)	Z <sub>1</sub> '	Z <sub>1</sub>	Y	C <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature				Total		
Rel. Hum.	3156638	48208	62.413.946		773	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	351872	-5246	-6.220.333		846	59.1	62.6					84
Wet Bulb	249247	-2911	-3.817.569		773	49.2	83.3					84
Dew Point	439161	-10053	-13.019.955		773	60.7	84.0					84

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JAN 64

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
METEOROLOGICAL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 220 WALENA AFS AK STATION NAME 73-82 YEARS FEB MONTH

PAGE 1 HOURS ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
41																		1	1		
39																		4	4		
37			.1	.1														14	14		
35			.1	.4														36	36		
33	.1	.5	.7	.8														78	74	29	8
31		.8	1.3	1.1														133	133	65	23
29	.7	.8	1.1	.1														172	102	34	18
27	.2	1.1	.5	.2														113	113	140	67
25	.2	.8	.7															104	104	175	73
23	.1	.5	.6															66	62	67	51
21	.1	1.5	.4															125	124	99	62
19	.1	1.5	.7															141	141	163	173
17	.2	2.2	.7															141	151	119	96
15	.2	2.3	.2															166	166	174	94
13	.4	1.7	.1															145	145	210	162
11	.7	1.9																157	157	149	131
9	.4	1.9																144	145	159	145
7	.2	2.4	.1															163	163	153	147
5	.9	2.1																190	180	210	146
3	1.2	2.6																261	261	235	165
1	1.1	4.3																326	326	215	128
-1	2.0	1.2																255	255	328	158
-3	2.7	1.4																208	208	239	134
-5	2.1	1.1																197	197	191	154
-7	3.0	.0																185	185	237	167
-9	3.5																	214	214	214	166
-11	3.3																	202	202	212	175
-13	2.7																	162	162	162	163
-15	3.7																	225	225	225	225
-17	3.8																	231	231	231	246
-19	4.1																	243	243	243	220
-21	3.5																	215	215	215	170
-23	3.4																	207	207	207	164
-25	3.3																	202	202	202	211
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

7 221 CALENA AFS AK 73-02 FEB MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																		
1/-27	2.9																																175	173	176	165		
1/-29	2.9																																	170	171	170	245	
1/-31	1.9																																	119	119	119	173	
1/-33	2.3																																	140	147	140	223	
2/-35	.9																																	56	133	50	23	
1/-37																																			103	103	266	
1/-39																																				89		204
1/-41																																				27		171
1/-43																																				70		104
4/-45																																				71		75
1/-47																																				50		25
1/-49																																				30		3
1/-51																																				22		5
1/-53																																				13		
4/-55																																				5		
1/-57																																				1		
TOTAL	54.1	134.0	7.6	.3																																6768		6153
																																				5108		5108

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	R	° <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2462.666	378586	62.7	13.753	6108							
Dry Bulb	31756.9	-40983	-6.1	20.799	6763	434.2	658.8					572
Wet Bulb	19061.06	-18472	-3.2	17.406	6108	390.7	666.5					672
Dew Point	33032.72	-75630	-12.4	19.086	6108	476.8	671.1					672

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS MANUAL OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7-22-82 GALENA AFS AK 73-82 YEARS MAR MONTH

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
37			.3															31	31	31
34		.3	.7															13	13	13
31	.1	.6	.3	.8														18	19	14
28		.4	1.1	.7														17	17	10
27	.3	1.3	1.2	.5														71	31	16
25	.1	1.3	1.8															27	27	36
23	.2	1.7	.3															21	21	35
21	.3	2.6	.6	.1														39	39	44
18	1.4	3.1	1.4															55	55	46
17	1.4	2.4	.2															37	37	41
14	.5	2.6	.9															78	38	35
13	1.1	1.9	.1															28	28	35
11	.7	3.0	.1															31	31	29
7	.4	1.8	.2															23	23	36
7	.5	4.1																43	43	27
5	.6	1.7																22	22	46
3	.3	3.1																36	36	25
1	.7	4.5																52	52	48
-1	1.1	.9																25	25	43
-3	1.2	1.7																33	33	36
-5	2.6	2.1																43	43	29
-7	3.5																	33	33	52
-9	3.3																	31	31	31
-11	3.2																	44	44	44
-13	3.3																	31	31	29
-15	2.6																	24	24	44
-17	2.2																	20	20	32
-19	2.1																	23	23	43
-21	1.1																	17	17	29
-23	2.3																	21	21	33
-25	1.1																	9	9	42
-27	1.3																	9	9	25
-29	.9																	8	8	25
-31	1.7																	16	16	13
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 CALENA AFS AK 73-62 YEARS MAR MONTH

PAGE 2 7000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	=31	Dry Bulb	Wet Bulb	Dew Point
7-33	.2																	2	2	2	2
7-35	.2																	2	5	2	13
7-37																					11
7-39																					4
7-41																					12
7-43																					5
47-45																					1
TAL	47.1	41.6	8.9	1.8	.5														926	937	926

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 60 F	= 67 F	= 73 F	= 80 F	= 93 F		
Rel. Hum.	4059844	59886	64.7	14.215	926							
Dry Bulb	271452	3418	3.7	16.694	930	30.6	91.4				93	
Wet Bulb	235220	2642	2.9	15.689	926	41.6	92.4				93	
Dew Point	315277	-5330	-5.8	17.540	926	56.0	93.0				93	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

16 220 GALENA AFS AK 73-82 488  
 STATION STATION NAME YEARS MONTH

PAGE 1 0300-0600  
 HOUR (L. V. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
37			.2															21	9																
35			.3															3	3																
33		.7	.5															14	14	9	4														
31		.3	.5	.5														13	13	9	4														
29		.4	.5	.5														14	14	9	3														
27		1.0	1.3	.5														26	26	18	2														
25		.9	1.1	.3														21	21	22	5														
23	.7	2.5	.2															32	32	51	1														
21	.7	2.0	.5															19	29	75	27														
19	1.0	2.5	1.1															46	46	35	34														
17	1.9	1.5	.5															36	36	42	5														
15	.4	3.2	.4															37	37	26	39														
13	1.5	2.1																33	33	46	31														
11		.9																16	16	29	37														
9	.9	2.5																30	30	17	41														
7	.1	3.3	.1															32	32	27	39														
5	.5	3.3																35	35	35	14														
3	.9	3.5																30	33	40	17														
1	.4	3.1																32	32	37	25														
-1	1.2	.9																19	19	23	25														
-3	1.6	1.8																31	31	29	14														
-5	2.9	2.0																48	48	39	37														
-7	3.2	.1																30	37	45	24														
-9	3.8																	31	31	31	13														
-11	5.2																	47	47	47	19														
-13	3.2																	27	27	27	11														
-15	3.7																	34	34	34	26														
-17	3.4																	31	31	31	30														
-19	2.9																	26	26	26	48														
-21	1.6																	16	16	16	39														
-23	1.6																	15	15	15	43														
-25	2.8																	22	22	22	34														
-27	1.5																	14	14	14	37														
-29																		8	8	8	24														
Element (X)	Z <sub>x'</sub>	Z <sub>x</sub>	X	X <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM NO 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7 22 CALENA AFS AK 73-82  
 STATION STATION NAME YEARS MONTH

PAGE 1 0300-0000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb/Dew Point	
7-31	1.2																	11	11	11	17
7-33	1.2																	11	11	11	17
7-35	.3																3	0	0	24	
7-37																		0	0	16	
7-39																		2	2	4	
7-41																		2	2	13	
7-43																				4	
7-45																				1	
TOTAL	51.6	38.5	7.6	2.0	.3												911	911	911	911	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
						= 67 F	= 73 F	= 80 F	= 93 F		
Rel. Hum.	4085998	59594	65.414	510	911	43.9	91.1				93
Dry Bulb	295838	1364	1.517	785	930	44.1	92.5				93
Wet Bulb	243023	1254	1.416	264	911	57.9	93.0				93
Dew Point	346502	-6404	-7.018	202	911						93

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION WALENA AFB AK STATION NAME 73-82 YEARS MONTH MAR

PAGE 1 0630-0800  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) AIR 84 WIND VELOCITIES (KNOTS) OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
35		.1	.3	.3																												7	7			
33		.6	.7	.1	.2																											14	14	6	5	
31		.3	.2	.4																												12	12	5	5	
29		.4	.5	.1																												13	10	13	4	
27		.4	.7	.8																												17	17	11	3	
25		1.8	1.2	.4																												31	31	16		
23	.9	1.5	.1																													22	22	19	3	
21	1.4	1.4	.2																													33	33	43	17	
19	1.5	3.0	.7																													47	47	36	47	
17	1.2	2.8	.6																													41	41	46	31	
15	.9	2.9	.4																													37	37	32	31	
13	.3	1.5																														17	17	31	32	
11	1.2	1.9	.2																													30	29	27	41	
9	.3	2.2	.2																													27	23	18	32	
7	.4	3.2																														33	33	29	27	
5	1.1	2.3																														37	33	40	24	
3	.9	1.9																														25	25	26	19	
1	1.2	3.4																														42	42	42	25	
-1	1.7	.4																														19	19	23	27	
-3	1.5	1.3																														24	24	27	25	
-5	2.3	2.5																														44	44	31	26	
-7	3.1																															28	28	47	24	
-9	1.7																															29	29	29	15	
-11	5.3																															40	40	46	21	
-13	3.9																															35	35	35	32	
-15	3.6																															33	33	33	27	
-17	3.4																															31	31	31	26	
-19	2.4																															22	22	22	31	
-21	1.2																															17	17	17	41	
-23	2.2																															20	20	20	16	
-25	2.6																															24	24	24	42	
-27	1.5																															14	14	14	34	
-29	1.8																															15	16	16	26	
-31	1.3																															12	12	12	10	
Element (X)	Σ X <sup>2</sup>	Σ X	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ
Rel. Hum.																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				
																	Mean No. of Hours with Temperature																			
																	≥ 6 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR LEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 220 WALTON AFS AK STATION NAME: 73-62 YEARS: \_\_\_\_\_ MONTH: MAR

PAGE: 2 0600-0900  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
17-33	1.1																	10	17	17	22
37-35	.6																	5	9	9	17
7-37																			7		26
7-39																			3		17
7-41																			6		6
27-43																			3		7
47-45																					2
47-47																					1
TOTAL	54.8	35.7	6.6	2.5	.2													907	937		907

Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total	
Rel. Hum.	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$						Total	
Dry Bulb	4073602	59348	65.4	14.492	907	45.9	93.9						43
Wet Bulb	310577	447	.5	18.278	907	45.5	92.4						93
Dew Point	250942	570	.6	16.632	907	58.7	93.0						93
	364239	-7059	-7.8	18.477	907								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL BUREAU OF INVESTIGATION  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-22-55 GALINA AFB AK 73-82 MAY MONTH

PAGE 1 0070-11-5  
 HOURS (L.S.Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/31		.1	.4	.6														11	11																
3/31		.5	.5	.6	.3													19	19	3	3														
5/31		.5	.9	1.2														24	24	5	5														
7/23	.1	.5	1.3	.5														23	23	21	4														
9/27	.1	1.0	1.1	.5														25	25	22	4														
11/25	.1	2.5	1.1	.1														35	35	40	7														
1/23	.4	1.6	.6															25	25	40	11														
3/21	1.0	2.9	1.3															48	48	37	22														
5/19	1.4	2.6	1.3															49	49	54	35														
7/17	.6	1.7	.6															29	29	37	36														
9/15		2.4	.3															25	25	24	35														
11/13	.4	1.8	.5															26	26	30	36														
1/11	.2	1.5	.5															23	23	24	43														
3/9	.5	4.5	.2															42	49	32	18														
5/7	.9	3.5																40	40	57	39														
7/5	.1	2.1																22	22	31	23														
9/3	.3	4.3																43	43	26	34														
11/1	.3	3.2																33	33	47	39														
1/-1	3.0	2.3																53	53	46	17														
3/-3	1.7	2.4																38	38	55	33														
5/-5	2.9	1.7																43	43	35	27														
7/-7	3.2																	30	30	42	34														
9/-9	4.1																	38	38	28	25														
11/-11	3.5																	32	32	32	42														
1/-13	2.7																	29	29	25	35														
3/-15	2.6																	24	24	24	44														
5/-17	2.5																	23	23	23	41														
7/-19	.2																	8	8	8	33														
9/-21	.9																	8	8	9	49														
11/-23	2.1																	19	19	19	33														
1/-25	1.1																	10	10	10	29														
3/-27	.6																	6	6	6	20														
5/-29	.3																	7	7	7	12														
7/-31	.3																	7	7	7	19														

Element (X)	Σ X <sup>2</sup>	Σ X	X	%	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

STATION 7 220 WALENA AFB AK STATION NAME 73-62 YEARS 73-62 MONTH MAE

PAGE 1 7300-11  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
27-33	5																	5	5	5	5															
31-35																			1																	
37-37																			1																	
37-39																			1																	
37-41																																				
37-43																																				
47-45																																				
TOTAL	41.243.911.0	3.7	0.3														925	925	925	925																

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3925973	58934	63.614.137		925							
Dry Bulb	280149	5119	5.516.469		930	38.1	90.0					93
Wet Bulb	233578	4186	4.515.241		925	39.4	92.2					93
Dew Point	281781	-4045	-4.416.906		925	54.0	93.0					93

USAFETAC FORM AIR 84 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
MET WEATHER SERVICE/44C

# PSYCHROMETRIC SUMMARY

12222 GALENA AFS AK 73-82 YEARS MAR MONTH  
PAGE 1 1220-14-5  
HOURS (C.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
4 / 3			.1	.2																													3	7			
5 / 32				.2	.3	.1																												10	10		
6 / 35			.3	.5	.6	.7																												16	19	1	
3 / 33			.3	1.4	1.2	.7																												30	30	15	
4 / 31			.5	1.7	2.7																													47	47	17	7
5 / 28	.1	.8	2.6	1.1																														42	42	31	4
6 / 27	.2	1.4	1.7	.9																														31	31	43	9
7 / 25	.2	2.7	1.3	.5																														44	44	71	16
8 / 25	.3	1.9	1.9	.3																														42	42	42	13
9 / 21	.5	1.2	2.2	.6																														45	45	48	36
10 / 18	.7	1.7	1.9	.1																														37	37	42	47
11 / 17	.1	1.6	1.1																															26	26	32	45
12 / 15	.1	1.9	1.9																															37	37	38	28
13 / 14	.4	2.3	1.6																															40	40	28	40
14 / 11	.2	3.3	1.4																															46	46	43	50
15 /		3.6	1.3																															45	45	51	30
16 / 7	.7	4.1																																40	40	46	35
17 / 5	.1	4.5																																43	43	53	14
18 / 3	.3	4.8																																48	48	51	38
19 / 1	.2	5.1																																49	49	57	4
20 / -1	3.0	1.8																																45	45	52	34
21 / -3		2.7																																52	52	55	23
22 / -5	.5	1.8																																72	72	76	43
23 / -7	2.3	.2																																23	23	31	31
24 / -9	1.7																																	16	16	16	47
25 / -11	1.1																																	10	10	10	51
26 / -13	1.7																																	9	9	9	28
27 / -15	1.5																																	14	14	14	42
28 / -17	1.2																																	11	11	11	27
29 / -19	1.1																																	10	10	10	32
30 / -21	1.7																																	9	9	9	24
31 / -23	.4																																	4	4	4	17
32 / -25																																					17
33 / -27																																					
Element (K)	$\Sigma R^1$	$\Sigma R$	$\Sigma$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$																						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-20-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7 221 JALENA AFS AK 73-80 MAR  
 STATION STATION NAME YEARS MONTH

PAGE > 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
1-29																					
1-31																					12
1-33																					4
3-1-35																					4
1-37																					1
1-39																					1
TOTAL	16.348	6.722	6.3	0.0	0.0													929	929	929	

Element (K)	Σ X'	Σ X	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	3307258	53888	52.713	3.999	929							
Dry Bulb	3276.0	11248	12.114	3.62	929	27.4	86.9					93
Wet Bulb	2569.0	9408	10.113	3.199	929	22.8	91.9					93
Dew Point	2218.75	-337	-0.415	0.958	929	18.3	93.0					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-22 CALENA AFS AK STATION NAME 73-62 YEARS MAR MONTH

PAGE 1 1533-1733

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
41				.3	.1													4	4																
39				.5	.1													5	6																
37		.2	.1	.8	.5													15	15																
35		.1	.6	1.1	.5													22	22	7															
33		.4	1.3	1.9	1.0													43	43	6															
31		1.1	1.3	2.6	.5													51	51	2	3														
29	.3	.8	2.0	.9														37	37	39	3														
27		2.0	1.4	.6														38	38	56	8														
25	.1	2.2	1.7	1.0														46	46	63	21														
23	.4	2.0	2.3	.4														48	48	53	19														
21	.8	1.7	1.3	.9														43	43	54	43														
19	.1	1.3	2.2	.1														34	34	39	66														
17	.1	1.7	3.1															46	46	73	77														
15		2.0	1.8															36	36	43	36														
13	.3	3.2	1.7															49	49	50	43														
11		3.9	.8															43	43	39	46														
9		4.4	1.0															50	53	52	37														
7	.1	7.8																74	74	55	13														
5	.2	3.2																32	32	77	19														
3		2.8																26	26	33	53														
1	.1	5.4																51	51	35	40														
-1	1.7	.8																23	23	52	34														
-3	.2	1.4																20	20	72	30														
-5	.2	1.9																20	21	16	51														
-7	1.4	.2																15	15	24	48														
-9	1.4																	13	13	13	39														
-11	.2																	8	8	8	36														
-13	1.4																	13	13	13	41														
-15	.5																	5	5	5	29														
-17	.8																	7	7	7	24														
-19	.6																	6	6	6	42														
-21	.6																	6	6	6	29														
-23																					10														
-25																					11														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (O.L.A.) REVISED METHODS EMPLOYED OF THIS FORM ARE OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/AFAC

# PSYCHROMETRIC SUMMARY

STATION: 73-220 GALENA AFS AK STATION NAME: 73-EP YEARS: \_\_\_\_\_ MONTH: 482  
 PAGE: 15 OF 17 HOURS (L. S. T.): \_\_\_\_\_

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7-27																																			
7-29																																			
7-31																																			
7-33																																			
7-35																																			
1.14L	12.7	57.6	22.6	11.1	1.2													937		937															
																		937		937															

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	328951	51905	55.8	14.377	930							
Dry Bulb	373143	13581	14.7	13.662	937	13.6	84.7					93
Wet Bulb	255198	11508	12.4	12.398	937	17.5	91.7					93
Dew Point	210643	1113	1.2	15.210	930	44.8	23.7					93

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

222 CALONA AFS AK STATION NAME 73-82 YEARS 1957 MONTH 12 HOURS 1 1300-2100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
41				.0	.1													4	4																
39				.1														1	1																
37				.3	.2													5	5																
35			.3	.2	.1	.2												15	15	3															
33			.9	1.0	.4													1	21	5															
31		.1	1.3	1.6	2.4	.2												45	45	7															
29	.2	1.2	2.0	.5	.1													29	39	31	5														
27	.2	1.4	1.3	.5														12	32	44	3														
25	.2	2.5	1.9	.3														49	47	51	13														
23	.2	1.8	1.4	.2														34	34	46	15														
21	1.1	1.9	1.6	.5														51	51	50	25														
19	.3	3.0	1.9															11	51	47	31														
17	.1	1.5	1.8															12	32	33	20														
15	.2	1.5	2.0															35	35	23	50														
13	.4	2.9	.9															15	36	35	51														
11	.6	3.2	.8															43	43	52	47														
9	.2	3.5	.9															45	45	38	51														
7	.5	5.9	.1															55	55	51	23														
5	.5	4.5																47	47	59	17														
3	.3	4.3																43	43	54	34														
1	.3	4.5																45	45	51	51														
-1	2.3	1.7																37	37	42	44														
-3	.2	2.7																32	32	37	31														
-5	.5	1.2																17	17	15	40														
-7	1.7	.1																17	17	25	43														
-9	1.6																	15	15	15	35														
-11	1.3																	12	17	12	41														
-13	1.2																	15	14	10	31														
-15	1.4																	17	13	13	31														
-17	.4																	4	4	4	30														
-19	.9																	3	5	5	15														
-21	1.1																	15	17	13	20														
-23	.4																	4	4	4	20														
-25	.1																	1	1	1	15														

Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	K	P <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: SALENA AIR AC YEARS: 73-80 MONTH: 4-30  
 PAST: 1-10-80  
 HOURS (L. S. T.): 930

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
7-27	0.1																	1	1	1														
7-29																																		
7-31																																		
7-33																																		
7-35																																		
7-37																																		
TOT	20.7	52.3	17.4	7.1	1.7												930	930	930	930														

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	T	P <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3405545	54593	59.7	14.8	12	930						
Dry Bulb	316676	11262	17.1	13.9	12	930	18.9	89.4				93
Wet Bulb	249928	9509	10.2	12.5	22	930	20.9	92.1				93
Dew Point	218010	-116	-0.1	15.3	18	930	47.8	93.0				93

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 2220 SALENA AFB AK STATION NAME 73-87 YEARS MAC MONTH

PAGE 1 2130-27-5  
 MONTHS (C. S. Y.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
5			.1																														1	1	
7			.2																														2	2	
9			.3	.1																													4	4	3
11			.3	.4	.2	.2																											11	11	5
13		1.0	.7	1.4	.2																												31	31	1
15	.4	.3	1.4	.8																													27	27	18
17	.1	1.4	1.2	.6																													31	31	17
19	.5	2.5	1.5	.3																													45	45	52
21	.1	1.2	1.1	.1																													22	22	51
23	1.0	3.1	1.5	.1																													53	53	46
25	1.3	3.0	1.7																														56	56	58
27	.3	2.8	.8																														35	35	34
29	.3	1.2	.8																														21	21	35
31	.1	2.5	.5																														31	31	18
33	1.0	2.0	.8																														34	34	38
35	.5	2.7	.1																														21	31	32
37	.2	4.6																															45	45	37
39	.2	2.6																															26	26	48
41	1.3	4.8																															57	57	45
43	1.0	4.2																															55	55	62
45	2.0	2.0																															38	38	37
47	1.7	2.8																															42	42	47
49	2.0	2.0																															38	38	39
51	2.8	.2																															28	28	41
53	2.9																																27	27	40
55	3.1																																29	29	31
57	2.5																																24	24	25
59	1.0																																9	9	35
61	1.4																																13	13	37
63	1.4																																13	13	35
65	1.7																																16	16	33
67	1.1																																10	10	35
69	.8																																7	7	29
71	1.1																																10	10	18

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAD

# PSYCHROMETRIC SUMMARY

STATION: WILKINA AFB AK STATION NAME: WILKINA AFB AK YEARS: 75-82 MONTH:       

PAGE 7 2170-2179  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/-29	.5																	5	5	5	17														
/-31	.5																	2	2	2	15														
/-33	.1																	1	1	1	10														
/-35																					0														
/-37																					0														
/-39																					0														
/-41																					0														
TOTAL	35.14	.112	.8	3.7	.4												970	970	970	930															

Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma X^3$	$\Sigma X^4$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3227480	58746	632119	598	930							
Dry Bulb	270736	6852	7415	399	930	31.2	91.2					93
Wet Bulb	229177	5655	6114	480	930	33.7	92.2					93
Dew Point	259838	-2758	-3016	459	930	53.9	93.0					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

NATIONAL CLIMATOLOGY BRANCH  
 AFSAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION 22 WALINA AFS AK STATION NAME 73-82 YEARS MONTH

PAGE 1 ALL HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
41				.1														3																	
39				.1														11	11																
37			.1	.1	.1													37	37																
35			.1	.4	.5	.1												83	83	14															
33		.4	.6	.6	.4													165	165	52															
31		.7	.7	.8	1.5	.1												244	244	66	31														
29	.2	.6	1.4	.6														209	209	172	34														
27	.1	1.2	1.1	.6														231	231	216	36														
25	.2	2.0	1.5	.4														298	294	363	60														
23	.4	1.8	1.1	.1														246	246	357	77														
21	.2	2.1	1.3	.3														341	341	365	73														
19	1.3	2.5	1.5	.1														375	375	357	73														
17	.7	2.3	1.1															262	282	295	36														
15	.3	2.2	1.1															266	266	266	113														
13	.6	2.3	.6															250	260	273	287														
11	.5	2.5	.5															265	266	241	351														
9	.4	3.2	.5															296	295	272	271														
7	.3	4.7																372	372	372	215														
5	.4	3.6																257	257	42	155														
3	.5	3.7																316	316	376	239														
1	.6	4.3																359	359	379	285														
-1	2.2	1.4																263	263	317	245														
-3	1.4	2.1																257	257	298	234														
-5	1.8	1.9																271	271	234	322														
-7	2.7	.1																204	204	377	283														
-9	2.7																	200	200	200	251														
-11	3.1																	270	239	239	279														
-13	2.5																	162	162	162	241														
-15	2.1																	156	156	156	263														
-17	1.9																	140	140	140	267														
-19	1.6																	116	116	116	321														
-21	1.3																	99	99	99	274														
-23	1.3																	93	97	93	230														
-25	1.3																	73	73	73	218														
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 90 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 0221 DELTA AFB ALA STATION NAME 73-82 YEARS MONTH MAR

PAGE 1 HOURS (L. S. T.) ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1-27	.7																	5	55	55	154															
1-29	.5																	44	44	44	163															
1-31	.5																	48	48	48	112															
1-33	.4																	29	29	29	93															
3-1-35	.1																	10	29	10	90															
1-37																			10		75															
1-39																			5		44															
1-41																			2		4															
1-43																			3		14															
4-1-45																					5															
4-1-47																					1															
TOTAL	55.145	0.13	2.5	1.0	0.0													7365	7430		7388															

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	25861636	456790	61.814	8.04	7388							
Dry Bulb	2446231	53411	7.216	6.53	7439	251.8	713.9					744
Wet Bulb	1983971	44729	6.015	2.29	7388	263.9	737.4					748
Dew Point	2218158	-24936	-3.416	9.97	7388	421.0	748.0					748

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 220 ALEVA AFB AK STATION NAME 73-02 YEARS 1952 MONTH APR

PAGE 1 2000-0200 HOURS (L.T.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
4 / 43		.1	.1															2	2																
4 / 41		.1	.3	.4														6	8																
4 / 39		.7	.3	.4	.1													14	14	3	1														
4 / 37	.1	.9	2.8	1.6														46	49	1	3														
4 / 35	.3	1.1	3.2	.9														50	50	21	4														
3 / 33	.1	1.8	2.9	.7														45	49	52	12														
4 / 31	.3	4.0	2.7	.6														68	63	53	19														
4 / 29	.1	2.1	3.3	.9														58	58	59	32														
4 / 27	.1	2.0	1.4	.4														37	37	47	46														
4 / 25		2.4	3.2	.9														59	59	56	43														
4 / 23	.1	1.4	1.9	.9														38	34	49	22														
2 / 21	.3	1.2	2.4	.8														43	43	55	41														
4 / 19	.9	3.8	2.7	.8														73	73	56	64														
4 / 17	.1	2.9	1.4	.1														41	41	54	40														
4 / 15		3.7	1.8															49	49	52	38														
4 / 13	.4	2.6	.7															35	35	54	24														
1 / 11	.4	2.6	.1															26	28	28	35														
1 / 9	.4	3.2																33	33	40	55														
4 / 7	.9	1.8																21	1	31	43														
4 / 5		2.2																20	1	18	35														
4 / 3	.3	1.9																19	19	27	40														
4 / 1		2.7																24	24	19	36														
4 / -1	1.4	.2																15	15	23	34														
4 / -3	1.3	.8																19	19	16	24														
4 / -5	.9	.3																10	17	12	21														
4 / -7	1.2	.1																12	12	12	41														
4 / -9	.9																	6	9	6	19														
4 / -11	.5																	7	7	7	16														
1 / -13	.5																	5	5	5	10														
1 / -15	.3																	3	3	3	18														
1 / -17	.2																	2	2	2	3														
1 / -19	.1																	1	1	1	11														
1 / -21																					9														
2 / -23																					7														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 7221 SALENA AFB AK STATION NAME 73-82 YEARS MONTH

PAGE 0000-0000  
 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
7-25																																						
7-27																																						
7-31																																						
1-11	10.7	4.6	4.3	1.6	5.2	.1																																

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS NAME ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	X	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3265017	58351	64.8	14.223	900							
Dry Bulb	4223.2	16325	20.4	12.892	900	9.2	72.8					90
Wet Bulb	4240.8	16266	18.1	12.235	900	9.1	81.5					90
Dew Point	2720.66	8904	9.9	14.309	900	22.8	87.5					90

2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION DALENA AFB, AK STATION NAME 73-80 YEARS APR MONTH

PAGE 1 0320-05  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
45		.1																1	1			
43		.2																2	2	1		
41			.4	.2														6	5	2	1	
39			.4	.1	.2													7	7	2	1	
37		1.4	1.1	.6	.1													31	31	5		
35		.3	.8	1.3	.6													27	27	18	4	
33		1.4	3.4	.9														51	51	28	5	
31		.3	4.4	1.8	.4													63	63	39	2	
29		.4	2.3	2.6	1.1													57	57	75	17	
27		.2	2.4	1.6	.4													42	42	46	25	
25		.1	2.2	2.1	.1													49	49	57	64	
23		.2	1.8	1.4	.1													32	32	52	27	
21		.2	2.3	1.1	.9													46	46	47	26	
19		.3	4.3	1.7	.1													55	55	43	65	
17		.2	2.5	1.6														41	41	46	43	
15		.3	3.1	1.2														47	47	40	48	
13		.2	4.1	.7														46	46	44	33	
11		.5	2.7	1.2														38	38	62	33	
9		.6	3.6	.4														41	41	43	35	
7		.3	2.4															27	27	42	45	
5		.3	2.3															28	28	27	33	
3		.3	2.1															22	22	31	34	
1		.2	2.0															34	34	31	51	
-1	1.7	.1																16	16	27	36	
-3	1.5	.4																13	13	13	30	
-5	1.3	.1																13	13	16	28	
-7	1.2																	11	11	11	30	
-9	1.0																	14	14	14	23	
-11	1.2																	11	11	11	31	
-13	1.2																	11	11	11	13	
-15	.6																	5	5	5	7	
-17	.3																	3	3	3	14	
-19	.2																	2	2	2	9	
-21	.7																	6	6	6	12	

Element (X)	Σ x'	Σ x	Σ	c <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 90 F	≤ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

2

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

22.0000 CALLIA AFB AK 73-87 10-1  
 STATION STATION NAME YEARS MONTH

PAGE 1 04-10-05-00  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
21-23																						11														
1-25	.2																		2	2	2	3														
1-27																						4														
1-29																						1														
1-31																						3														
1-33																						3														
TOTAL	17.352	124.9	5.6	.1														900	900	900	900															

USAFETAC FORM 0-26-5 (OLA) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
 U.S. AIR FORCE  
 AIR WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

STATION 222 WALENA AFB AK STATION NAME 73-87 YEARS APR MONTH APR

PAGE 1 1973-28

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
4 / 45			.1															1	1														
4 / 43		.1	.1		.1													3	3														
4 / 41		.2	.1	.7														9	9	2													
4 / 39		.2	.9	.6	.1													16	16	4													
4 / 37		1.0	1.5	1.0	.2													32	32	7													
4 / 35	.4	.8	2.0	1.3														41	41	20	10												
4 / 33		1.3	2.7	.8														43	43	28	4												
4 / 31	.4	3.4	2.3	.6	.1													62	62	40	23												
4 / 29	.7	2.1	2.2	.0														46	46	54	15												
4 / 27	.3	2.0	2.6	.4														48	48	49	33												
4 / 25	.1	2.9	2.3	.3														51	51	42	54												
4 / 23	.1	1.7	1.2	.2														29	29	61	24												
4 / 21	.3	2.0	1.0	.8														44	44	42	30												
4 / 19	.1	2.3	2.1	.4														45	45	39	53												
4 / 17	.0	3.2	1.4	.1														45	45	41	50												
4 / 15	.1	4.1	1.8															54	54	21	36												
4 / 13	.1	4.3	1.1															50	50	57	42												
4 / 11	.0	3.0	.7															39	39	54	31												
4 / 9	.0	1.7	.7															28	28	50	35												
4 / 7	.0	2.8	.1															29	29	29	42												
4 / 5	.0	2.3																23	23	30	41												
4 / 3		2.9																26	26	30	37												
4 / 1	.0	3.2																34	34	34	45												
4 / -1		1.3																9	9	19	35												
-4 / -3	1.6	.1																15	15	15	28												
-4 / -5	1.4	.1																14	14	14	33												
-4 / -7	1.4																	13	13	13	22												
-4 / -9	1.6																	14	14	14	29												
-4 / -11	1.6																	14	14	14	28												
-4 / -13	.1																	1	1	1	17												
-4 / -15	.9																	8	8	8	20												
-4 / -17	.4																	4	4	4	14												
-4 / -19	.4																	4	4	4	13												
-4 / -21	.2																	2	2	2	11												

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

022 SALENA AFB AK 73-82 APR MONTH

PAGE 7 0500-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb
7-23	.3																2	3	5	4
7-25	.1																1	1	1	4
7-27																				4
7-29																				4
7-31																				3
7-33																				3
TOTAL	15.4	48.3	27.6	7.8	.5											900	900	900	900	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4007257	58677	65.218	2.209	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	472039	16351	18.213	2.987	900	10.2	75.5					90
Wet Bulb	384857	14447	16.113	2.044	900	11.2	83.3					90
Dew Point	262918	7148	7.915	1.93	900	28.7	38.1					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

STATION 222 LALENA AFS AK STATION NAME 73-82 YEARS APR MONTH

PAGE 1 0500-11 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
51							.1											1	1																	
42							.2	.1										5	6																	
47					.0	.3	.2											7	7																	
45				.5	.4	.1												6	8																	
43		.1	.3			.7												17	17	1																
41		.1	.5	1.7														29	29	12																
39		.3	1.3	2.4	.7													43	43	10																
37	.1	.4	1.8	3.6	.2													65	65	29	5															
35	.1	.9	2.3	1.9														47	47	41	2															
33		.4	1.9	1.9	.3													41	41	55	7															
31		1.3	3.2	2.6	1.0													73	73	61	31															
29	.2	1.2	2.4	1.3	.4													51	51	47	22															
27	.1	2.0	2.4	1.2	.4													56	56	51	44															
25		1.6	1.9	.8	.1													39	39	63	52															
23		1.1	2.2	.5														35	35	55	28															
21	.1	.8	2.8	1.1														43	43	39	50															
19	.2	2.8	4.2	.9														73	73	52	42															
17	.1	2.3	2.2	.1														43	43	62	45															
15		2.7	2.3															45	45	54	45															
13	.2	2.2	.7															28	28	51	38															
11		2.3	.7															27	27	79	21															
9	.1	2.2	.4															26	26	51	36															
7		3.4																27	27	37	59															
5	.1	2.1																20	20	25	53															
3		1.9																15	15	21	33															
1		1.4																13	13	14	45															
-1	.3	.2																5	5	8	34															
-3	.6	.6																10	10	12	38															
-5	.9	.2																10	10	9	31															
-7	.1																	1	1	2	26															
-9	.2																	2	2	2	24															
-11	.1																	1	1	1	16															
-13	.2																	2	2	2	13															
-15																					11															
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR LEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73-62 WALENA AFS AK STATION NAME 73-62 YEARS APR MONTH

PAGE 1 1990-1990  
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
55						.2	.1	.1										4	4																
52					.1	.2	.3	.3										2	2																
51						.5	.2											5	5																
49					.2	.8	.1											10	10																
47				.2	1.2	.2												15	15																
45				.9	2.3	.3												28	28																
43			.2	1.7	1.9	.3												37	37																
41		.2	.3	1.2	2.3	.3												43	43																
39		.1	.3	2.1	1.3													35	35																
37		.7	1.8	4.0	1.3													67	67																
35		1.1	1.9	2.8	1.3													64	64																
33		.9	2.2	3.2	1.1													67	67																
31		.8	3.1	2.6	1.3													74	74																
29		.6	2.3	1.8	.7													43	43																
27		.6	2.2	3.1	.4													57	57																
25		.4	3.1	2.1														51	51																
23		.4	2.8	.6														27	27																
21		.5	4.2	.8														53	53																
19		1.9	3.7															30	30																
17		1.3	3.0															32	32																
15		1.6	1.4															27	27																
13		1.6	1.6															26	26																
11		1.1	.7															16	16																
9		1.9	.1															18	18																
7		1.4																13	13																
5		.4																4	4																
3		.4																4	4																
1		.4																4	4																
-1	.7																	6	6																
-3																																			
-5																																			
-7																																			
-9																																			
-11																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 1223 SALENA AFB AK STATION NAME 73-87 YEARS 1970  
 MONTH 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb
17-15																				1
17-15																				4
17-17																				7
TOTAL	.719	.734	.326	.915	.91	2.8	.8	.4										900		900

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma^2$	No. Obs.	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2657954	47494	52.812	.983	900		.6	51.9				900
Wet Bulb	635333	22323	24.8	9.559	900		.8	68.1				900
Dew Point	284234	12164	13.511	.545	900	13.4	88.8					900

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

2-22-52 CALENA AFS, AK STATION NAME 73-82 YEARS MONTH

PAGE 1 1500-1700 HOURS (L. T. 74)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																							
57							.1																										1	1										
55							.2		.3		.1																								2	0								
53									.4		.2																									6	5							
51								.7		1.2																										15	15							
49							.9		1.1																												17	17						
47							1.5		.7																												20	20						
45				.1	.4	1.7	1.1																														30	30		1				
43				.1	1.2	1.4	1.0																															42	42		6			
41		.1	.1	1.6	2.2																																		36	36		31		
39		.4	1.2	2.2	2.2	.3																																	56	56		36		
37		1.0	2.9	3.6	1.4	1.1																																	90	90		38		
35		.6	2.2	4.7	.9	.2																																	77	77		68		
33		.8	2.3	2.4	1.2	.1																																	60	60		78		
31	.2	.2	2.2	2.2	1.7																																		62	62		60		
29	.1	.3	3.2	3.1	.7																																		67	67		55		
27	.1	.2	1.8	2.1	.4																																		51	51		58		
25		.1	2.9	2.3																																			48	48		70		
23		.3	2.2	1.1																																			38	38		72		
21		.8	2.3	.2																																			36	36		62		
19		.4	2.9	.3																																			33	33		65		
17		1.3	2.1																																				31	31		31		
15		.9	1.2																																				25	25		40		
13		.4	1.2																																				15	15		26		
11		1.3	.2																																				19	19		20		
9		1.0	.4																																				13	13		73		
7		.4																																					4	4		16		
5		.6																																						5	5		4	
3		.3																																						3	3		2	
1	.1																																							1	1		3	
-1																																												
-3																																												
-5																																												
-7																																												
-9																																												
Element (X)	Σ X'	Σ X	X	n	No. Obs.	Mean No. of Hours with Temperature					Total																																	
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																	
Dry Bulb																																												
Wet Bulb																																												
Dew Point																																												

USAFETAC FORM 0-26.5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL BUREAU OF INVESTIGATION  
 CLIMATE DIVISION  
 METEOROLOGICAL SERVICE/AFAC

# PSYCHROMETRIC SUMMARY

STATION DALENA AFB AK STATION NAME 73-82 YEARS APR MONTH

PAGE 1570-1700  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb
7-11																				
17-13																				
17-15																				
TOT	.5	1.1	4.3	3.3	2.9	6.1	6.	6.7	1.9	.5	.1						900	900	900	900

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	2491439	45945	50.9	13.179	900							
Dry Bulb	998229	28401	31.6	10.651	900	.1	45.1					90
Wet Bulb	703719	23824	26.5	9.015	900	.3	64.7					90
Dew Point	301598	13198	14.7	10.963	900	10.2	88.5					90

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

73-227 STATION GALENA AFS AK STATION NAME 73-82 YEARS APR MONTH

PAGE 1 1899-7700  
HOURS (C. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
57 55							.1	.2										1	1																
47 51							.6	.8										12	12																
47 49				.2	.5	1.1												17	17																
47 47				.1	1.1	.4	.1											16	16																
47 45				1.2	1.6	.4	.1											28	28																
47 43				.1	1.0	1.8	.2											28	29	3															
47 41				.4	1.3	1.3	.2											30	30	23															
47 39			.4	1.9	2.2	1.1	.1											52	52	37															
47 37			.4	1.9	2.2	1.1	.7											75	75	39															
47 35	.2	.8	1.9	4.7	.9	.1												77	77	57	11														
347 33		1.1	2.9	3.3	.7	.2												74	74	65	11														
47 31		.8	2.7	3.6	1.2													74	74	75	35														
47 29		.4	2.7	2.0	1.2													57	57	93	36														
47 27	.2	.7	2.3	2.7	.1													55	55	52	46														
47 25		.4	3.3	1.7														53	53	71	53														
47 23		.7	2.4	1.1														38	39	73	40														
47 21		1.0	2.3	.5														35	35	60	55														
47 19	.1	1.3	4.2	.1														50	50	55	58														
47 17		.8	1.8															23	23	41	37														
47 15		.5	1.3															17	17	40	55														
47 13		1.4	1.6															27	27	21	4														
47 11		1.6	.6															19	19	72	54														
47 9		1.2	.7															17	17	28	47														
47 7		.7																6	6	18	49														
47 5		.8																7	7	14	32														
47 3		.3																3	3	5	33														
47 1		.3																3	3	3	45														
47 -1	.2																	2	2	3	37														
47 -3		.1																1	1		27														
47 -5																				1	18														
47 -7																																			
47 -9																					10														
47 -11																					6														
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM NO. 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNCLASSIFIED

2

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
A. LEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION: 221 CALENA AFB AK STATION NAME: YEARS: 73-82 MONTH: APR

PAGE: 1 15 1982 2000  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
17-15																						
17-15																						
17-17																						
TOTAL		15	935	229	812	7	4	2	1	2								970	970		970	
Element (X)	Z <sub>x'</sub>	Z <sub>x</sub>	X	X <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	2743396	48172	53.513	548	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	925265	27239	30.310	569	900	3	48.7					97										
Wet Bulb	667960	23096	25.7	9.150	900	4	67.6					97										
Dew Point	306017	13193	14.711	193	900	11.6	17.8					90										

USAFETAC FORM 0-26-5 (OLA) 1-1-80 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

222 STATION WALENA AFB AK STATION NAME 73-82 YEARS APR MONTH

PAGE 1 2100-2300  
HOURS U. S. T.M.

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
47				.1	.2	.2												5	5																		
46					.2	.1												3	3																		
45			.7	.7	.4	.1												14	14																		
44			1.2	1.2	.7	.1												27	27	1																	
43		.9	1.5	1.7	.5													44	44	12																	
42	.2	1.1	3.2	2.2	.3													55	55	33																	
41	.7	1.7	2.3	2.7	.1													54	54	46	14																
40	.1	1.1	3.4	1.4	.5													64	64	56	15																
39	.1	1.3	3.6	1.9	.4													78	78	50	29																
38		1.6	3.7	1.6														61	61	72	37																
37		1.3	3.1	1.4														50	50	60	41																
36		1.2	3.3	1.1														51	51	63	60																
35	.4	1.2	2.6	1.1														48	48	71	30																
34	.1	1.1	3.0	1.0														47	47	53	52																
33	.5	2.3	3.2	.8														50	50	70	74																
32		2.4	1.1	.1														37	37	43	43																
31	.1	2.4	1.3															35	35	54	39																
30		2.2	1.1															27	27	36	33																
29	.1	1.7	.4															20	20	27	49																
28	.1	2.1	.2															22	22	28	47																
27		2.7	.1															25	25	32	53																
26	.1	1.6																15	15	26	37																
25	.2	1.3																14	14	18	38																
24		.9																8	8	11	48																
23	.3	.6																8	8	6	31																
22	.2	.3																5	5	7	23																
21	.3	.4																7	7	7	31																
20	.2																	2	2	5	15																
19	.2																	2	2	2	17																
18	.2																	2	2	2	17																
17																					5																
16																					7																
15																					6																
14																					9																
13																																					
12																																					
11																																					
10																																					
9																																					
8																																					
7																																					
6																																					
5																																					
4																																					
3																																					
2																																					
1																																					
0																																					
Σ X'																																					
Σ X																																					
Σ Y																																					
Σ Z																																					
No. Obs.																																					
Mean No. of Hours with Temperature																																					
± 0 F																																					
± 32 F																																					
± 67 F																																					
± 73 F																																					
± 80 F																																					
± 93 F																																					
Total																																					

USAFETAC FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1222 GALENA AFS AR 73-82 APR MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
57																																	1	1		
55									.1		.1		.1		.0																		14	14		
53											.1		.1																				19	19		
51													.3																				33	33		
49						.2		.2		.4		.3																					50	50		
47						.1		.5		.2		.1																					63	63	4	
45			.0		.0	.3		.7		.3		.1																					99	99	2	
43			.1		.2	.7		.8		.2		.1																					135	135	15	
41			.1		.4	1.0		.9		.1																							145	145	91	1
39			.4		1.0	1.5		.6		.1																							267	267	136	3
37		.1	.9		2.1	2.6		.6		.2																							464	464	207	13
35		.2	.9		2.2	2.3		.4		.0																							437	437	328	77
33		.2	1.1		2.8	1.8		.5		.0																							449	449	449	70
31		.2	2.2		2.7	1.9		.3																									554	554	444	242
29		.1	1.3		2.9	1.5		.4																									445	445	554	232
27		.2	1.4		2.2	1.6		.2																									396	396	456	330
25		.3	1.5		2.8	1.2		.2																									401	401	490	445
23		.1	1.1		2.1	.7																											265	265	488	266
21		.1	1.3		2.6	.8																											347	347	420	397
19		.3	2.4		3.0	.4																											434	439	426	576
17		.1	2.2		1.8	.1																											300	300	375	369
15		.1	2.4		1.7																												299	299	375	335
13		.1	2.4		1.1																												256	256	331	276
11		.2	2.1		.6																												236	206	277	280
9		.3	2.1		.4																												198	199	266	390
7		.2	1.2		.0																												152	152	216	400
5		.1	1.5																														117	117	154	314
3		.1	1.4																														109	109	144	244
1		.2	1.5																														123	123	119	364
-1		.7	.1																														62	62	97	264
-3		.6	.3																														53	63	62	226
-5		.6	.2																														54	54	59	195
-7		.5	.0																														39	39	43	166
-9		.6																															40	40	40	161
Element (X)	Z <sub>g</sub>	Z <sub>h</sub>	X	° <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION DALENA AFS AK STATION NAME 73-62 YEARS APR MONTH ALL  
 PAGE 1 HOURS U.S.T. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb
/-11																	35	35	35	114
-1/-13	.3																15	14	19	64
-1/-15	.2																16	15	16	50
-1/-17	.1																9	9	9	60
-1/-19	.1																7	7	7	45
-1/-21	.1																8	8	8	37
-1/-23	.0																3	3	3	23
-1/-25	.																3	3	3	23
-1/-27																				1
-1/-29																				7
-1/-31																				5
-1/-33																				2
TOTAL		32	73	24	18	6	1	8	.5	.1	.0							7200	7200	7200

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	26692820	425070	59.719	888	7200	35.8	498.5					720
Wet Bulb	4233524	152918	21.211	702	7200	40.1	596.8					720
Dew Point	2249662	83396	11.613	353	7200	150.7	703.6					720

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 225 SALENA AFS AK STATION NAME 73-82 YEARS MAY MONTH

PAGE 1 2022-0220  
 HOURS 11.8.11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																		
47 63								.1																									1	1				
47 61								.1																									1	1				
47 59					.1			.2	.1																								4	4				
47 57					.1			.2	.1																								6	6				
47 55				.1	.1	.4		.2	.1																								9	9				
47 53				.2	.1	.3		.5	.1																								22	22	2			
47 51				.6	1.1	.6	1.0	.1																									32	32	3			
47 49			.2	1.2	2.4	.2																											42	42	12	1		
47 47			1.5	1.6	3.9	1.7	.2																										53	53	26	3		
47 45		.2	1.4	3.4	3.0	1.2	.2																											65	65	48	17	
47 43		.2	2.7	3.8	4.2	1.2																												112	112	7	27	
47 41			1.8	4.2	4.3	.4																												100	100	139	33	
47 39	.1	2.2	5.7	2.9	.9																													109	109	99	44	
47 37			3.3	4.7	2.2	.1																												16	96	138	74	
47 35			1.7	5.1	1.2																													74	74	120	87	
47 33	.1	.6	4.2	.4																														50	50	88	64	
47 31		1.3	3.0	.5																														45	45	75	1.7	
47 29		.9	1.1	.1																														19	19	55	9.1	
47 27		.4	.3																															7	7	35	24	
47 25		.3	.4																															7	7	16	89	
47 23		.1	.1																															2	2	6	51	
47 21		.1	.1																															2	2	3	54	
47 19		.3	.1																															4	4	2	28	
47 17		.4																																4	4	4	19	
47 15		.1																																1	1	5	10	
47 13																																						
47 11		.1																																	1	1		2
47 9		.2																																2	2	3	7	
47 7																																						
47 5																																						
47 3																																						
TOTAL		.619	.840	.127	.3	8.8	2.7	.5	.1																										930	933	933	

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	4378261	62775	67.542	317	930	± 0 F	± 32 F	± 47 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb	1624251	38257	41.1	7.078	930		9.4					93
Wet Bulb	1306177	34367	37.2	6.241	930		27.7					93
Dew Point	231191	28625	30.8	7.346	930		55.8					93

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

STATION 220 SALENA AFB AK STATION NAME 73-82 YEARS MAY MONTH  
PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb
5 / 55					.1												1	1	
4 / 53			.4	.2	.1												7	7	
3 / 51			.4	1.0	.9	.5											28	28	
2 / 47		.3	.4	.6	.7	.2											23	23	5
1 / 47		1.2	1.4	.5	.7												37	37	15
4 / 45		1.3	3.1	1.6	.4	.1											51	51	34
4 / 43	.3	2.5	4.5	2.7	.9												101	101	41
2 / 41	.1	3.8	3.2	2.2	.1												99	99	34
1 / 37	.7	3.7	4.3	2.9	.9												106	106	42
1 / 37	.2	5.9	4.7	2.2	.3												124	124	96
1 / 35	.1	5.1	6.7	.9													118	118	89
2 / 33		2.5	3.7	.9													65	65	120
2 / 31		4.0	3.5	.4													72	72	69
1 / 24		2.2	1.6														35	35	74
1 / 27		.6	.9														14	14	57
1 / 25		.8	.3														14	14	21
2 / 23		.5	.3														5	5	11
2 / 21		.2															2	2	12
1 / 16		.3															3	3	3
1 / 17		.5															5	5	3
1 / 15		.2															2	2	5
1 / 13		.1															1	1	1
1 / 11																			1
1 / 9		.1															1	1	1
1 / 7		.3															3	3	2
1 / 5																			1
1 / 1																			1
1 / -1																			1
1 / 14L	1.13	.44	0.51	6.8	5.4	.9											930	930	930

Element (X)	Σ X'	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4945236	66922	72.0	11.811	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1415655	35731	38.4	6.792	930		16.0					93
Wet Bulb	1181577	32633	35.1	6.269	930		29.7					93
Dew Point	879366	27748	29.8	7.443	930		59.8					93

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 022 BALENA AFB AK STATION NAME 73-82 YEARS MAY MONTH

PAGE 1 0933-11-4  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
67-70																																		3	3				
67-71										.1	.3	.2																						5	6				
67-69										.1	.1	.1																						7	7				
67-67								.1	.1	.2	.1																							5	5				
67-65								.1	.7	.1	.1																							5	5				
67-63								.1	.4	.3	.3																								11	11			
67-51						.1	.3	.1	1.1																										10	20			
67-59						.2	.6	1.0	1.1	.1																									25	28	1		
67-57						.4	1.6	1.3	.9	.1																									45	45	7		
57-55					.7	1.1	2.0	2.0	.6																										70	70	6		
47-53					1.7	2.3	3.3	2.6	.1																										89	89	9		
67-51		.1	.9	1.9	3.0	3.7	1.4	.1																											98	98	12		
67-49		.1	.9	2.0	3.7	3.7	.4																												94	94	33	3	
67-47		.5	1.4	2.6	4.3	1.2	.2																												95	95	20	4	
67-45		.1	1.9	2.7	3.2	.4																													77	77	102	13	
67-42		.8	1.8	2.9	1.8																														68	68	142	21	
67-41		.1	1.7	3.2	1.3																														54	59	136	47	
67-39		.6	1.8	1.3	.6	.1																													41	41	121	52	
67-37		.2	1.3	1.5	.5																														33	33	71	84	
67-35		.5	.4	1.0	.2																														23	24	68	64	
67-33		.4	1.1	.9																															2	22	37	103	
67-31		.5	.9	.1																															13	13	28	114	
67-29		.6	.3																																6	5	79	112	
67-27		.1	.1																																2	2	16	105	
67-25		.1																																	1	1	4	71	
67-23		.1																																	1	1	4	27	
67-21		.1	.3																																5	3	1	35	
67-19		.2																																	2	2	4	36	
67-17		.2																																	2	2	2	7	
67-15		.2																																	2	2	2	9	
67-13																																						0	10
67-11																																						5	
67-9																																						2	
Element (X)	Σ X'	Σ X	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature																																	
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																											
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 0-26-5 (O-L-A) JUL 54 REVISE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





2

FEDERAL CLIMATOLOGY BRANCH  
 AFSAFETAC  
 AIR WEATHER SERVICE/AMC

PSYCHROMETRIC SUMMARY

STATION 73-62 GALEVA AFB AK STATION NAME YEARS MONTH MAY

FACE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
71																	1	1		
72																	4	4		
73																	4	4		
74																	5	5		
75																	2	2		
76																	5	5		
77																	3	3		
78																	16	16		
79																	18	18		
80																	45	45		
81																	50	50		
82																	66	66		6
83																	77	77		9
84																	108	108		9
85																	95	95	10	
86																	78	79	40	
87																	84	84	66	4
88																	82	82	108	9
89																	40	40	148	12
90																	54	54	169	16
91																	39	39	172	19
92																	37	37	98	43
93																	20	20	40	66
94																	8	8	44	64
95																	4	4	29	115
96																	5	5	25	122
97																	1	1	5	108
98																			3	120
99																	1	1	4	90
100																	2	2	1	21
101																	3	3	2	32
102																	3	3	4	31
103																			2	13
104																				12
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	C <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 12-64 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-220 STATION CALENA AFB AK STATION NAME 73-42 YEARS MAY MONTH  
PAGE 7 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb/Dew Point
5 / 13																				7
11 / 21																				7
13 / 19																				4
TOTAL	3.5	6.9	13.3	15.3	19.6	19.4	12.5	5.2	1.6	.6	.8	.2	.3					930		930
																	930			

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	21263.5	42327	45.519	5.44	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Dry Bulb	2643347	48985	52.6	8.909	930		1.5	4.0	1.6	.2		93
Wet Bulb	1752339	39983	43.1	5.993	930		4.6					93
Dew Point	921431	26605	30.8	6.691	930		56.2					93

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

7 226 GALENA AFS AK 73-87 MAY  
STATION STATION NAME YEARS MONTH  
PAGE 1 1540-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
81																																	4	4		
79																																	6	6		
77																																	5	5		
75																																	3	3		
73																																	2	2		
71																																	5	5		
69																																	19	19		
67																																	19	19		
65																																	25	25		
63																																	63	63		
61																																	57	57	1	
59																																	75	75	5	
57																																	107	107	10	
55																																	102	102	7	
53																																	92	92	21	
51																																	72	72	34	
49																																	52	52	98	
47																																	47	47	144	
45																																	45	45	137	
43																																	36	36	152	
41																																	52	52	116	
39																																	22	22	67	
37																																	7	7	41	
35																																			45	91
33																																	4	4	37	
31																																	3	3	6	
29																																	1	1	2	
27																																	1	1	2	
25																																	1	1	5	
23																																	1	1		
21																																	4	4	2	
19																																				
17																																				
15																																				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 34-44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

AIR FORCE CLIMATOLOGY BRANCH  
 AFMSTAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION: 221 CALENA AFS AK STATION NAME: 73-82 YEARS: \_\_\_\_\_ MONTH: \_\_\_\_\_

PAGE: \_\_\_\_\_ HOURS (L. S. Y.): 1500-1700

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
7 / 13																																							
1 / 11																																							
TOTAL		2.0	6.3	7.2	21.5	6.1	6.0	16.3	16.9	9.2	3.1	1.2	.6	.9	.2																								
																	930		930																				

Element (X)	Z <sub>g</sub> '	Z <sub>g</sub>	X	° <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	1895597	35703	42.7	4.695	930							
Dry Bulb	2619806	50546	54.9	8.848	930		1.1	6.3	2.7	.6		93
Wet Bulb	1822532	40916	43.9	5.795	930		2.1					43
Dew Point	216769	28499	37.0	6.838	930		58.3					93

USAFETAC FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR LEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

73-220 DALENA AFB AK 73-82 MAY  
STATION STATION NAME YEARS MONTH  
PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
77/81																	1	1		
77/79												.2	.2	.1			5	5		
77/77												.2					3	3		
77/75												.1	.2				5	5		
77/73										.1		.1					3	3		
77/71										.1		.2					6	6		
77/69										.1		.7					11	11		
77/67										.4		.4					18	18		
77/65										.1	.4	1.4	.3				21	21		
77/63						.1				.2	1.4	1.6	.6				37	37		
77/61						.2	.3	1.7	2.2	1.8	.1						59	59		
77/59						.4	1.3	2.5	.8								56	56	3	
77/57			.2		.3	1.5	3.4	2.8	.6								84	84	6	
57/55			.2	1.0	3.2	5.2	1.6	.1									105	105	11	
47/53		.1	.2	.5	1.3	4.6	3.1	.2									96	96	20	
47/51		.1	.3	1.4	2.4	3.6	1.3	.1									85	85	29	2
47/49	1.0	.6	.6	1.5	2.5	.2											62	62	90	6
47/47		1.3	1.3	1.3	1.2	.2											49	49	179	9
47/45	.2	.9	1.5	2.7	.3	.1											55	55	132	12
47/43	1.0	1.5	1.6	2.3	.1												60	60	166	11
27/41	.5	.4	.6	1.3													30	30	114	36
27/39	.3	.5	2.3	1.2													40	40	96	41
27/37	.2	.4	.8	.3													20	20	50	70
27/35		.2	.3														5	5	45	88
37/33			.2	.4													2	2	35	97
27/31		.2	.4														6	6	15	117
17/29																			4	103
17/27																			4	108
17/25		.2															2	2	3	92
27/23		.1															1	1		39
27/21	.2																2	2	2	40
17/19	.1																1	1	4	33
17/17																				14
17/15																				3
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISED (REWORK EDITIONS OF THIS FORM ARE OBSOLETE)



2

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

73-220 CALENA AFS AK 73-62 YEARS

PAY MONTH  
PAGE 1 7100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67 75											.1							2	2		
67 73											.1	.1						2	2		
67 71											.1	.1						2	2		
67 69											.1	.1						2	2		
67 67								.1		.1	.1							5	5		
67 65						.1		.1		.1	.1							5	5		
67 63					.1	.1	.3	.2	.3									10	10		
67 61					.1	.2	1.0											12	12		
67 59				.1	.2	.5	1.3	.3	.1									24	24		
67 57				.2	.3	1.7	1.7	.6										43	43	3	
67 55			.2	.3	1.6	1.7	.3											56	56	5	
67 53		.3	.4	.6	2.0	3.0	1.2											78	78	7	
67 51		.1	1.2	1.2	3.2	1.9	.6											77	77	19	
67 49		.2	.8	2.9	3.3	2.3	.5											98	98	73	9
67 47	.2	1.1	1.3	2.9	3.1	2.2												100	100	10	13
67 45		1.0	2.0	3.4	3.4	.3												95	95	114	19
67 43		1.5	2.4	3.1	1.4	.2												80	80	121	27
67 41		.9	2.5	3.0	1.1													68	68	122	30
67 39		.4	1.7	1.8	.4													41	41	122	53
67 37		.6	2.5	2.7	.1													55	55	100	89
67 35		.2	2.3	1.7														37	37	52	99
67 33		.2	1.0	.4														15	15	61	86
67 31		.1	.4	.2														7	7	72	125
67 29		.1	.2	.1														4	4	24	95
67 27			.4															4	4	10	86
67 25			.1															1	1	4	94
67 23		.1																1	1	3	30
67 21			.1															1	1	2	43
67 19		.1	.1															2	2	1	13
67 17		.2																2	2	4	14
67 15		.1																1	1	1	5
67 13																					
67 11																					6
67 5																					2

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 GALENA AFS AK 73-82 MAY  
 STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
73																		930	930		930														
TOTAL	2	7	7	19	224	821	414	1	8	0	2	0	9																						

Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>R</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	3182392	52656	56.6	14.711	930							93
Wet Bulb	2151816	44102	47.4	8.065	930		2.3	1.3	.4			43
Dew Point	1577234	37876	4.7	6.108	930		8.1					93
	989613	29635	31.9	6.981	930		50.9					93

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2220 SALENA AFS AK STATION NAME

73-80 YEARS

MAY MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77-81																			6	6															
77-79																			15	15															
77-77																			12	12															
77-75																			15	15															
77-73																			12	12															
77-71																			24	24															
77-69																			77	38															
77-67																			34	64															
77-65																			77	77															
77-63																			158	168															
77-61																			201	201	1														
77-59																			252	252	15														
77-57																			368	368	35														
77-55																			458	458	36														
77-53																			517	517	74														
77-51																			510	510	142	4													
77-49																			516	516	346	30													
77-47																			541	541	586	32													
77-45																			565	565	768	102													
77-43																			621	621	960	168													
77-41																			643	643	881	204													
77-39																			500	500	755	166													
77-37																			444	444	693	551													
77-35																			326	327	672	696													
77-33																			205	205	401	735													
77-31																			185	185	335	976													
77-29																			89	89	234	816													
77-27																			41	41	167	795													
77-25																			33	33	76	719													
77-23																			22	22	34	248													
77-21																			17	17	30	313													
77-19																			16	16	23	243													
77-17																			17	17	16	106													
77-15																			8	8	20	68													
Element (X)	ΣX'	ΣX	X	°s	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 0220 CALENA AFS AK STATION NAME: 73-67 YEARS: MAY MONTH: PAGE 2 HOURS (L. S. T.): ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
13		.1																5	3	4	40															
11		.2																3	3	3	37															
7		.1																4	4	6	33															
5																				1	4															
3																					4															
1																					6															
TAL	.2	1.1	.3	2.1	.4	1.9	.1	1.5	9.5	6.7	3.0	1.1	.4	.3	.2	.1	7439	7440		7439																
																			7439																	

Element (X)	Σ X'	Σ X	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	25563484	416434	56.0	17.367	7439							
Dry Bulb	17244494	350534	47.1	9.900	7439		49.1	12.6	6.3	1.2		744
Wet Bulb	12326629	298459	40.1	6.881	7439		45.2					749
Dew Point	7422240	228956	30.8	7.165	7439		1	448.0				749

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-62 STATION NAME MALENA AFB AF STATION 73-62 YEARS MONTH JJA

PAGE 1 0600-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	Feet															
77											.1							1	1																		
77																		2	2																		
75								.1		.1								3	3																		
72										.3		.1	.1					7	7																		
71								.2	.1	.3		.2	.1					19	19																		
69						.3	.2	.6	.5	.7								29	29																		
67				.3	.4	1.4	2.1	1.1	.3									52	52																		
65					1.2	2.1	2.2	.2	.3									57	57																		
63				.9	1.3	2.1	2.2	.2	.3									61	61	3																	
61			.2	.9	3.1	1.2	1.7	.1	.2									67	67	15																	
59			.9	2.0	3.2	3.2	1.4	.3										98	98	25																	
57		.3	.7	1.7	3.3	2.9	.6	.2										89	89	52	2																
55	1.1	1.5	3.3	3.3	2.1	.2	.1											98	98	95	12																
53	.7	2.4	3.4	1.3	1.2	.1	.2											85	85	178	37																
51	.6	3.4	2.3	1.3	.6	.3												77	77	99	35																
49	1.1	3.3	2.2	.6	.2	.1												63	63	161	53																
47	1.4	.8	1.1	.7	.1	.1												38	39	134	46																
45	.1	.6	1.2	.5	.2	.3												30	30	63	127																
43	.1	.3	.2	.2														8	8	55	113																
41		.6	.1	.1														7	7	30	111																
39		.3	.1															4	4	21	83																
37																				15	73																
35																				4	67																
33																					41																
31																					15																
29																					7																
27																					5																
25																					14																
23																					4																
21																					5																
19																					2																
TOTAL		1.6	2.14	2.19	4.2	2.3	1.3	7.12	1.5	2.6	.4	.3						900	900	900	900																
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	3300195	52967	58.7	14.714	900	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																										
Dry Bulb	3029838	51822	57.6	7.151	900			11.3	1.3			90																									
Wet Bulb	2274795	45291	50.3	5.241	900							90																									
Dew Point	1655197	38151	42.4	6.499	900	5.2						90																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH  
METAC  
WEATHER SERVICE/MAAC

PSYCHROMETRIC SUMMARY

STATION WALESA AFS AK STATION NAME 73-82 YEARS JUN MONTH  
PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
73																	1		1				
72									.2	.4	.3						13		13				
71								.1	.7	.2	.3	.1					13		13				
70								.4	.4	.3	.7						17		17				
69								.1	.9	1.1	1.2	.1					21		31				
68							.1	.1	2.0	1.8	.8						46		49				
67					.2	.2	1.3	2.3	1.4	.6	.2						61		61				
66				.1	.1	1.6	2.1	1.6	1.4								54		64				
65					.8	2.3	2.7	1.3	.4	.2							70		70				
64				.3	1.3	2.6	2.3	2.1									80		80		4		
63			.4	.8	1.4	2.6	2.6	.3	.2								77	77	23				
62		.1	.1	1.0	1.9	3.3	3.1	.7	.1								90	90	31				
61		.7	.8	.6	3.1	1.4	.9	.2	.3								72	72	99	1			
60		.3	1.0	1.2	1.3	1.4	.3	.4									55	55	178	6			
59			3.3	2.4	1.7	1.4	.1	.1									82	82	106	29			
58		.1	2.4	1.3	1.9	.7											62	62	127	30			
57		.1	1.4	1.2	.3	.4											32	32	140	25			
56		.7	.4	.4	.2	.7											22	22	86	92			
55		.1	.1	.4		.1											7	7	76	106			
54			.1														1	1	36	126			
53		.1	.3														4	4	21	112			
52		.1															1	1	14	86			
51																			7	85			
50																				75			
49																				31			
48																				27			
47																				5			
46																				12			
45																				5			
44																				6			
43																				1			
42																				5			
41																							
40																							
39																							
38																							
37																							
36																							
35																							
34																							
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15																							
14																							
13																							
12																							
11																							
10																							
9																							
8																							
7																							
6																							
5																							
4																							
3																							
2																							
1																							
TOTAL		2.311	3.10	3.14	6.18	9.15	3.13	6.2	3.8	1.7	.3						900	900	900	900			
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.	2556555	45995	51.1	15.147	900	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total											
Dry Bulb	3436356	55168	61.3	7.802	900			24.5	7.2	.3		90											
Wet Bulb	2408240	46337	51.5	5.066	900							90											
Dew Point	1616218	37708	41.9	6.358	900		6.4					90											

USAFETAC FORM 44 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 227 SALONA AFB AK STATION NAME 73-02 YEARS JUN MONTH  
PAGE 1 1970-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
77 81											.1						1		1		
77 79											.1	.3					6		6		
77 77								.1	.2	.4	.2						10		10		
77 75								.3	.6	.4	.5	.7					26		26		
77 73							.1	.7	1.4	1.1	.2						32		32		
77 71						.2	.6	.6	2.3	.8	.2						42		42		
77 69						.2	1.0	1.0	1.7	.6							48		48		
67 67				.3	1.4	3.4	2.7	1.0	.2								65		65		
67 65			.1	.8	1.2	2.2	2.3	.3	.1	.1							65		65		
47 63		.1	1.1	.8	1.7	2.9	1.1	.4	.4								77		77	3	
77 61	.1	.7	1.8	1.3	1.6	2.6	1.2	.1									84	84	13		
77 59	.6	1.1	1.0	1.6	3.1	1.1	.3	.1									80	67	43		
77 57		.4	1.2	2.2	1.6	1.2	.4	.2									67	67	171	5	
57 55	.8	.9	3.3	2.3	1.0	.6	.2										62	62	172	12	
47 53	.5	.4	3.1	2.1	1.7	2.4	.1	.4									96	96	170	30	
77 51	.6	1.2	1.4	1.3	.3												44	44	175	47	
77 49	.2	.4	1.6	.8	.3												30	37	149	50	
77 47	.3				.1	.1											5	5	26	75	
47 45	.3			.1	.2	.1											7	7	69	125	
47 43	.3	.1	.1	.1	.1	.1											7	7	79	107	
77 41		.3			.2												5	5	13	112	
67 39					.1												1	1	5	96	
77 37																			5	75	
77 35																			5	44	
37 33																			5	43	
77 31																				33	
77 29																				5	
77 27																				10	
77 25																				6	
67 23																				6	
77 21																				8	
77 19																				4	
TAL	.6	3.9	9.6	13.2	13.4	15.1	16.1	12.3	9.0	4.2	1.6	1.0					900	900	900	900	
Element (X)	Z <sub>x'</sub>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	2699307	46833	52.0	17.078	900	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3439409	55205	61.3	7.692	900			25.0	7.5	.4		90									
Wet Bulb	2420627	46463	51.6	4.741	900							90									
Dew Point	1640186	37930	42.1	6.806	900		7.3					90									

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC FORM 44

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FEDERAL CLIMATOLOGY BRANCH  
 WEAFFAC  
 AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

STATION 227 GALENA AFS AK STATION NAME 73-82 YEARS MONTH JUN

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb/Dew Point
77 75									.1									1	1	
77 73								.4	.1									5	5	
77 71						.5	.2			.7								9	9	
77 69						.3	.7	.3	.3	.2								17	17	
77 67				.1	.2	1.1	.9	1.1	.4									34	34	
77 65				.2	1.2	1.6	1.7	.9										50	50	
77 63				1.4	1.9	2.1	1.2	.4										66	66	
77 61		.1	.7	1.4	2.7	2.9	1.3	.2										76	76	4
77 59		1.2	1.9	3.0	1.9	2.7	1.6	.3	.1									114	114	22 1
77 57		.4	1.1	1.8	3.2	1.8	.6	.2										122	122	65 8
77 55		1.4	2.9	3.4	3.2	1.2	.6											117	117	94 11
77 53	.1	.8	3.3	3.3	1.4	.4	.7	.1										93	93	122 37
77 51	.3	1.7	3.2	2.2	1.4	.7	.1											87	87	131 71
77 49	.1	1.2	3.2	2.6	1.2	.3	.1											79	79	147 86
77 47	.2	.3	1.0	1.4	.3	.3												33	33	120 92
77 45	.2	.8	.3	.4	.2													18	18	91 122
77 43		.3	.1		.1													5	5	62 123
77 41		.1	.2		.4													7	7	30 102
77 39		.1	.1	.2	.2													5	6	13 76
77 37				.1														1	1	3 69
77 35																				3 40
77 33																				4 22
77 31																				1 24
77 29																				5
77 27																				10
77 25																				1
77 23																				5
77 21																				8
77 19																				2
TOTAL	1.0	8.9	18.0	22.2	21.9	7.1	4.6	9.4	4.7	1.1	.4							900	900	900
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	3712043	56379	62.315	5.64	900	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb	2955353	51250	56.9	6.411	900			6.6	.5			90								
Wet Bulb	2286190	45136	50.2	5.010	900			.1				90								
Dew Point	1732224	39014	43.3	6.754	900		6.0					90								

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL BUREAU OF SURVEY  
 CLIMATE BRANCH  
 METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-220 GALENA AFS AK 73-82 JUN MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7/81									.1	.1	.0	.0						6		6																
7/79									.1	.1	.2	.1						31		31																
7/77								.1	.2	.1	.1	.1	.0					42		42																
7/75								.1	.3	.3	.3	.2						84		84																
7/73								.1	.4	.5	.5	.1						117		117																
7/71						.1	.3	.7	.8	.4	.1	.0						174		174																
7/69					.1	.2	.5	.9	.7	.3	.0							216		216																
6/67				.1	.2	.9	1.4	1.3	.6	.1								316		316																
6/65			.1	.7	1.1	1.5	1.0	.2	.0	.0								338		338																
4/63		.0	.7	1.0	1.3	1.0	.7	.2	.1									348	198	18																
7/61		.0	.5	1.2	1.4	1.4	1.3	.3	.1									451	451	71																
7/59		.4	1.1	1.7	1.6	2.2	1.0	.2	.1									600	600	172	1															
7/57	.7	.5	1.5	1.6	2.0	1.3	.6	.2	.1									597	597	498	22															
5/55	.0	1.4	2.3	2.0	2.1	1.0	.2	.1										730	730	675	70															
4/53	.1	1.3	3.6	2.8	1.6	1.1	.1	.1										775	775	975	250															
2/51	.1	1.5	3.7	2.2	1.5	.4	.1											632	682	943	394															
6/49	.1	1.9	3.5	2.1	.7	.2	.1											624	624	1104	595															
6/47	.1	2.2	1.5	1.5	.4	.2	.0											429	429	966	672															
4/45	.1	1.4	1.3	.8	.2	.1												279	279	776	853															
4/43	.1	.5	.9	.3	.1	.0												127	127	484	1025															
7/41	.1	.2	.6	.2	.2													87	87	303	871															
7/39	.1	.2	.4	.2	.1													62	62	173	682															
7/37	.0	.2	.2															25	25	98	537															
7/35		.0	.0															4	4	47	866															
7/33		.1																6	6	30	286															
7/31																				12	198															
7/29																					51															
7/27																					67															
7/25																					65															
2/23																					40															
2/21																					35															
7/19																					19															
TOTAL	.8	11.4	21.3	18.3	14.3	11.6	9.1	6.2	3.8	2.0	.8	.4	.0					7200	7200	7200	7200															
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	K	* <sub>A</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	29598559	443741	61.6	17.681	7200	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	720																								
Dry Bulb	23713225	409037	56.4	8.128	7200			98.6	28.7	1.8		720																								
Wet Bulb	17976691	357665	49.7	5.394	7200		1.7					720																								
Dew Point	13333046	306262	42.5	6.517	7200		47.5					720																								

USAFETAC FORM 0-26-5 (OL A) REVISION 10/65 (THIS FORM IS OBSOLETE)

2

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/AMC

**PSYCHROMETRIC SUMMARY**

7 222 GALENA AFS AK 73-82 JULI  
 STATION STATION NAME YEARS MONTH

PAGE 1 0000-02.0  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7 / 49					.1		.1		.1										3																	
6 / 67				.4	.1	.2	.2	.1											10	10																
6 / 65			.4	1.0	.1	.1	.1												22	22																
5 / 63		.1	1.3	1.3	.1	.1													39	39																
5 / 61		1.1	3.5	2.5	1.7	.2													43	83	13															
4 / 59		2.6	5.7	3.5	1.3	.6	.1												177	157	36															
4 / 57		4.6	6.8	2.3	.9	.6													134	135	106	43														
5 / 55	.2	5.8	6.4	2.8	1.1	.2													153	154	150	81														
4 / 53	.3	4.3	3.3	1.8	1.1	.4													108	108	160	107														
4 / 51	.4	3.3	1.6	1.1	.3	.1													62	62	133	133														
4 / 49	.2	3.3	2.4	.6	.4														65	65	114	129														
4 / 47		.4	1.3	.1	.3	.1													28	28	61	121														
4 / 45	.4	1.0	1.0	.2															24	24	79	92														
4 / 42	.6	.6	1.4		.1														26	26	41	59														
4 / 41		.2	.4	.2	.1														9	9	78	38														
4 / 39	.2		.2																4	4	16	35														
3 / 37																						32														
3 / 35																					5	21														
3 / 33																						13														
2 / 31																						7														
2 / 29																						4														
2 / 25																						4														
TOTAL	2.528	5.37	3.18	6	9.3	4.1	.5	.1	.1										927	935	927															
Element (X)	Σx'	Σx	X	°x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	5619181	71277	76.9	2.238	927	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	2904889	51735	55.6	5.383	937			1.3				93																								
Wet Bulb	2506528	47978	51.8	5.028	927							93																								
Dew Point	2188676	44676	48.2	6.196	927		1.5					93																								

USAFETAC FORM AIR 34 0-26-5 (O.L.A.) REVISIONS (EDITIONS) OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-220 GALENA AFS AK STATION NAME

73-67 YEARS

YEARS

JUL MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
67				.1	.1	.1	.1											2	2				
65				.1	.3	.1	.4	.1										4	4				
63			.1	.3	.1	.4	.1											10	10				
61		.9	1.2	1.1	.5	.2												36	36				
59		2.6	4.2	1.6	1.4	.1												92	97	11			
57		6.5	3.9	1.9	.9	.2												124	124	62			
55		6.6	5.6	1.8	.8													137	140	119			
53	.2	9.4	6.9	1.6	.4	.1												173	173	172			
51	.4	4.2	5.1	1.0	1.1													109	109	116			
49	1.1	4.0	3.2	.6	.2													84	84	124			
47	.5	2.7	2.5	1.1	.2													65	65	113			
45	.6	1.0	1.6	.8														37	37	55			
43	.4	.5	1.0															18	18	48			
41	.1	.4	1.3		.1													18	18	31			
39	.4	.1	.6	.1														12	12	30			
37	.2		.1	.3														6	6	6			
35																				23			
33																				2			
31																				9			
29																				1			
27																				4			
25																				1			
23																				1			
TOTAL	4.7	38.8	37.3	12.4	5.8	1.2	.4											927	930	927			

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z	e <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6147812	74726	87.6	1.577	927	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2674979	49649	53.4	5.127	930			2				93
Wet Bulb	2364035	46587	50.2	4.959	927							93
Dew Point	2112325	43995	47.4	6.044	927		1.5					93

USAFETAC FORM 0-26-5 (OL-A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
 STAFLTAC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7 221 GALENA AFS AK 73-62 JULI  
 STATION STATION NAME YEARS MONTH

PAGE 1 0600-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
73																																1	1		
71								.1																								1	1		
69						.1		.1																							2	2			
67			.1	.5	.1			.2																							12	12			
65			.4	1.5	.8	.8	.5																								36	36			
63		.4	1.3	2.1	1.3	1.1																									58	59	2		
61		1.5	3.0	2.9	.9	.8	.3																								87	87	16	1	
59		1.5	5.1	3.2	1.2	.9	.2																								112	113	52	12	
57		3.7	6.9	3.8	1.4	.5	.1																								142	142	96	34	
55	.2	4.5	5.8	2.6	.5	.5																									132	133	136	71	
53	.4	4.5	6.1	1.0	.4	.3																									129	129	151	107	
51	.5	2.3	2.3	1.0	.2	.2																									77	77	159	139	
49	.2	2.7	2.3	1.3	.3	.1																									64	64	19	131	
47	.6	1.1	.8	.9	.2	.1																									34	34	72	116	
45	.3	.2	1.3	.2																											19	19	47	106	
43		.4	.9	.3	.1																										16	16	25	51	
41		.2	.4																												6	6	7	38	
39	.1	.2																													3	3	15	46	
37																															2	2	7	37	
35		.1																													1	1		19	
33																																		3	18
31																																			8
29																																			5
27																																			2
25																																			2
TOTAL	2.5	24.5	36.2	22.1	7.4	5.3	1.6	.5																								937		927	
																																927		927	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5851836	76066	75.6	2.963	327	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb	2955330	52174	56.1	5.521	937			1.6	.1			93
Wet Bulb	2522030	48134	51.9	4.951	927							93
Dew Point	2180259	44599	48.1	6.108	927		1.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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 FEDERAL BUREAU OF SURVEYING  
 U.S. AIR FORCE  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

227 GALENA AFS AK 73-92 JJI  
 STATION STATION NAME YEARS MONTH

PAGE 1 1970-11-30  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 77																		6	6		
7 / 75						.1	.1	.3	.2									7	7		
47 / 73						.6	.4	.9	.4									22	22		
7 / 71						.5	1.6	.3	.5									39	39		
7 / 69				.2	1.0	1.0	1.5	.9										59	59		
7 / 67			.1	2.3	2.0	2.7	1.4	.9										86	86	1	
67 / 65			.8	1.9	3.3	1.7	.5	.5	.2									84	84	5	
47 / 63		.1	.3	2.5	3.2	2.9	.6	.2										92	92	23	
7 / 61		.6	1.3	4.6	2.3	1.6	.8											103	105	77	1
7 / 59		.6	3.1	3.9	2.6	.9	.9											105	105	90	23
7 / 57		1.5	3.4	3.2	.6	.9	.2											92	92	135	54
47 / 55		2.0	3.4	2.4	1.0	.8	.1	.1										91	91	154	62
47 / 53		1.0	1.9	.6	.5	.3	.2											43	43	145	100
7 / 51		.6	1.3	.9	.3	.3												32	32	112	145
47 / 49	.5	.6	1.7	1.3	.1	.3												36	36	61	147
7 / 47	.4	.4	.2	.1														11	11	45	111
47 / 45		.2	.4	.2														8	8	73	94
47 / 43			.6	.1														7	7	23	52
7 / 41		.1	.2															3	3	11	33
7 / 39																				15	36
7 / 37		.1																1	1	1	36
7 / 35		.1																1	1	1	19
37 / 33																				1	7
7 / 31																					6
7 / 29																					5
7 / 27																					1
7 / 25																					3
1214L	1.0	2.2	1.9	2.4	2.1	1.5	6.7	5.9	4.3	1.6	.2								928	928	518
Element (X)	ΣX'	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	4057988	59960	64.6	14.783	928	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	3515926	56923	61.1	6.843	930			21.0	3.5			93									
Wet Bulb	2762117	50397	54.3	5.214	928			.1				93									
Dew Point	2212686	44942	48.4	6.249	928		1.8					93									

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: SALINA AFB AK STATION NAME: YEARS: JUL MONTH

PAGE 1 1967-1766  
HOURS (L.S.T.)

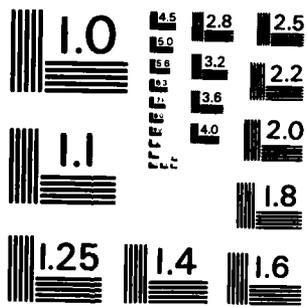
Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77-77																		1		1															
77-75										.1	.1	.1						3		3															
77-73									.1	.4	.3							6		6															
77-71								.1	.2	.3	.2							13		13															
77-70							.2	.1	.5	1.5	.3	.2						29		29															
77-69						.1	1.1	1.6	2.2	.2	.1							32		32															
77-68				.2	1.1	1.4	1.2	1.2	.5									59		59															
77-67			.1	.3	1.2	2.4	2.3	.2										64		64															
77-66		.1		.2	.1	1.2	2.3	2.5	1.4	.1								63		63															
77-65			.1	.5	1.5	2.0	3.1	.7	.2									70		62	4	1													
77-64				1.3	2.4	1.9	.7	.4	.4									67		67	10														
77-63			.4	1.3	2.5	1.7	1.2	.7	.4	.1								76		76	77	3													
77-61		.1	1.1	1.0	1.5	.9	1.5	.7	.1									55		55	92														
77-59		.4	1.4	1.5	1.4	1.1	1.2											60		69	141	7													
77-57		2.0	1.7	1.4	1.2	.4	.5											64		64	163	39													
77-55		1.9	1.3	1.1	.7	.9												56		55	131	75													
77-53		.6	.5	.2	.4	.2												19		19	110	103													
77-51		.1	.3	.4	.3	.2												13		13	59	109													
77-49		.4	.3	.3	.5	.1												11		21	62	126													
77-47		.1	.4	.1														7		7	36	135													
77-45		.1																1		1	23	154													
77-43																					14	56													
77-41																						52													
77-39																						30													
77-37																						26													
77-35																						25													
77-33																						17													
77-31																						11													
77-25																						3													
77-24	.5	6.1	7.8	9.7	13.4	13.2	17.2	12.0	2.0	6.1	2.5	1.2								937		927													
																						927													

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2451191	49175	53.8	17.305	927	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4163933	61745	66.4	8.132	930			44.2	22.7	4.0		93
Wet Bulb	2859949	52177	56.3	4.997	927			.9				43
Dew Point	2155344	44324	47.8	6.237	927		1.4	.2				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS - 1963 - A

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AND WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 22L GALENA AFS AK 73-82 JUL  
STATION STATION NAME YEARS MONTH  
PAGE 1 2186-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 79									.1									1	1		
7 / 77							.1	.1										2	2		
6 / 75					.1	.7	.7	.1		.1								6	6		
4 / 73						.2	.4	.5	.2									16	16		
7 / 71				.1	.1	.5	.9	.4	.2									20	20		
7 / 69				.3	.9	1.4	1.5	.5	.2									45	45		
6 / 67		.1	.4	1.9	1.9	2.3	1.3	.2	.1									76	76	1	
6 / 65			1.1	2.7	2.5	1.9	1.0	.3		.1								89	89	2	
4 / 63		.4	1.5	3.7	2.6	2.0	.5	.2										102	102	20	3
7 / 61		1.1	3.6	3.3	2.5	.9	.2	.3										110	110	61	6
7 / 59		1.9	4.2	3.7	.8	.8	.1											106	109	112	29
7 / 57		1.7	3.1	2.6	1.2	1.2	.1	.2										94	94	152	52
5 / 55	.1	3.3	3.3	2.2	1.7	.2	.2	.1										97	97	159	95
4 / 53	.2	1.9	2.6	1.1	.9	.5												67	67	136	119
7 / 51	.1	1.3	1.6	1.1	.3	.2												43	43	85	134
5 / 49		.2	.9	.6	.3	.1												20	20	79	112
4 / 47	.6	.5	.5	.4	.1													21	21	51	130
4 / 45	.3	.2	.1	.4														10	10	35	64
4 / 43	.1			.1														2	2	20	45
7 / 41																				9	41
4 / 39																				4	38
3 / 37																				1	23
7 / 35																					9
3 / 33																					11
7 / 31																					9
7 / 29																					2
7 / 27																					2
7 / 25																					3
TOTAL	1.5	12.8	23.3	24.2	15.1	12.3	6.5	3.0	1.2	.3	.1							927	937	927	927
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	4495512	63762	68.114	.898	927	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	3436662	56232	60.5	6.279	930			16.6	2.5	.1		93									
Wet Bulb	2771126	50476	54.5	4.947	927			.1				93									
Dew Point	2282036	45618	49.2	6.335	927		1.6					93									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-220 SLENA AFS AK 73-62 YEARS JULI MONTH

PAGE 1 ALL HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point				
7 / 86																					1	1			
6 / 87																						1	1		
6 / 85																						5	5		
4 / 80																						18	18		
7 / 81																						27	27		
7 / 79																						59	59		
7 / 77																						109	109		
7 / 75																						179	179		
4 / 77																						215	215		
7 / 71																						293	293		
7 / 69																						365	365	8	1
6 / 67																						451	456	15	1
6 / 55																						451	453	72	
4 / 63																						554	555	247	11
2 / 61																						614	617	446	20
7 / 59																						748	752	693	119
7 / 57																						812	814	1043	324
5 / 55																						777	782	1133	569
4 / 53																						598	598	1042	437
2 / 51																						389	389	881	1022
5 / 49																						314	314	674	1036
7 / 47																						157	167	482	990
4 / 45																						114	114	289	765
4 / 43																						70	70	199	457
2 / 41																						36	36	114	333
4 / 39																						19	19	79	284
7 / 37																						9	9	72	263
7 / 35																						2	2	11	167
3 / 33																								7	101
2 / 31																									20
1 / 29																									23
2 / 27																									11
2 / 25																									22
24 / 23																									1
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE







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GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-22-66 GALENA AFS AK 73-82 AUG MONTH  
STATION STATION NAME YEARS  
PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	>31	Dry Bulb	Wet Bulb
67					.1												1	1		
65				.2	.3												7	7		
63			.1	.5	.3												10	10		
61			.6	1.1	.9												29	29	7	2
59	.4	2.8	3.1	1.3	.1												72	72	27	18
57		5.6	3.3	1.1	.1												58	98	85	28
55	1.1	6.1	3.9	1.3	.2												116	116	119	56
53	.9	7.3	4.5	1.1	.1												129	129	104	93
51	1.3	6.8	3.8	.5	.1	.1	.1										118	119	138	123
49	1.7	7.5	2.2	.5	.1	.2	.2										116	116	138	134
47	1.2	4.7	1.5	.6	.1	.2											79	73	109	128
45	.6	3.3	1.5	.3	.2												56	56	75	100
43	.9	2.5	.8		.2												40	40	50	65
41	.5	1.5	.6	.3													28	28	47	66
39	.6	1.0	.8														22	22	29	47
37	.2	.5	.5														12	12	24	26
35		.2															2	2	12	15
33																			6	15
31																				6
29																				3
27																				3
25																				3
23																				1
21																				2
19																				2
TOTAL	9.5	50.6	28.2	8.3	2.5	.6	.3										930	930	930	

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6796316	78808	88.711	3.09	930	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2584563	48351	52.0	5.756	930			.1				93
Wet Bulb	2316424	46120	49.6	5.613	930							93
Dew Point	2126808	48080	47.8	6.667	930		3.8					93

FORM 84 0-26-5 (OLA) USAFETAC REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR LEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7 2220 SALENA AFS AK 73-82 AUG  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77 / 77										.1								1	1																
76 / 75								.1										1	1																
74 / 73					.1	.1	.5	.2										9	9																
72 / 71					.4	.2	.5											11	11																
70 / 69				.2	.5	.9	.5	.1										21	21																
68 / 67			.1	.5	.6	.8	.4	.2										25	25																
66 / 65		.2	.6	1.3	1.6	.9	.2	.1										46	46	1															
64 / 63		.6	.4	2.3	2.7	.6	.4											66	66	12	1														
62 / 61		1.0	2.6	4.3	2.2	.4		.1										98	98	37	5														
60 / 59	.3	2.5	4.9	3.1	2.4	.4	.2	.2										131	131	55	26														
58 / 57	.5	3.3	3.1	3.5	1.6	.5	.1	.1										120	120	123	41														
56 / 55	.3	3.3	4.5	2.2	.5	.3	.1	.3										108	108	153	70														
54 / 53	.1	3.3	4.4	1.6	.6	.3	.3											100	100	119	106														
52 / 51	.6	2.5	3.1	.9	.4	.4	.1											75	75	148	137														
50 / 49	.4	.6	1.8	1.4	.4	.1												45	45	93	122														
48 / 47		1.0	.8	1.0	.3													26	24	52	113														
46 / 45	.2	1.0	.5	.6	.1													23	23	45	90														
44 / 43	.2	.4	.2	.4														12	12	43	56														
42 / 41		.2	.2															4	4	21	43														
40 / 39		.5	.1															6	6	19	29														
38 / 37																				7	32														
36 / 35																				2	15														
34 / 33																					9														
32 / 31																					16														
30 / 29																					7														
28 / 27																					3														
26 / 25																					1														
24 / 23																					5														
22 / 21																					2														
TOTAL	2.0	20.5	27.2	23.0	71.4	6.6	6.0	3.5	1.5	.1								930	930	930	930														
Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	Z	Z <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	5097840	67512	72.6	14.559	930	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb	3103600	53402	57.4	6.326	930			6.8	1.1			93																							
Wet Bulb	2597952	48892	52.6	5.451	930							93																							
Dew Point	2200128	44778	48.1	6.893	930		3.5					93																							

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AF WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-220 GALENA AFS AK 73-82 AUC  
 STATION STATION NAME YEARS MONTH

PAGE 1 1200-1800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																						
81																																		3	7							
79																																			2	8						
77																																				13	13					
75																																				18	18					
73																																					22	22				
71																																					15	55				
69																																					55	55				
67																																					30	80	2			
65																																					105	105	11	1		
63																																					100	100	39			
61																																					89	89	55	16		
59																																					89	89	110	17		
57																																					99	99	155	39		
55																																					79	79	117	67		
53																																					56	56	145	110		
51																																					31	31	89	129		
49																																					15	15	79	117		
47																																					18	18	42	99		
45																																					5	5	34	110		
43																																					5	5	25	68		
41																																					2	7	15	32		
39																																					2	2	9	34		
37																																					1	1	3	31		
35																																								17		
33																																								15		
31																																								19		
29																																								4		
27																																								3		
25																																								3		
23																																								4		
21																																								3		
INITIAL	1.0	8.114	0.20	6.20	5.15	6.9	4.5	9.2	6.6	2																												930	930	930		
																																							930		930	
Element (K)	Z <sub>g</sub>	Z <sub>x</sub>	Z <sub>y</sub>	Z <sub>z</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																															
Rel. Num.	3838719	57953	62.315	665	930	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																														
Dry Bulb	3609724	57514	61.8	7.179	930			23.8	6.8	6		93																														
Wet Bulb	2789314	53632	58.4	5.866	930			2				93																														
Dew Point	2185245	48600	48.0	7.057	930		3.6					43																														

2  
 USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-220 GALENA AFS AK 73-82 YEAR AUG MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47 83											.3	.2						5	5																
47 81								.2	.2	.8								13	13																
7 79								.3	.3									6	6																
7 77							.4	.2	1.1	.3								19	19																
16 75						.4	.6	1.2	.3	.3								27	27																
47 73					.2	.4	.6	1.6	.4	.1								32	32																
7 71				.8	.2	.6	1.8	1.3	.9	.3								55	55																
17 69			.3	.9	2.6	1.6	.9	.5										63	63																
67 67		.1	.5	2.3	2.9	1.8	.5	.6										82	82	4															
67 65		.3	1.0	4.1	2.3	2.9	.5	.6										107	107	27															
47 63		.3	.9	3.0	1.7	1.8	.5	.3	.5	.1								86	86	35	1														
27 61		.9	1.2	2.2	2.3	1.3	.3	.9	.2									89	89	59	15														
7 59		.8	2.7	1.4	1.9	.9	.4	.1	.2									78	78	134	24														
17 57	.3	1.3	2.3	3.9	1.3	1.2	.1	.1										94	94	150	38														
57 55	.4	1.7	1.5	2.2	1.2	.4												69	69	126	71														
47 53		.9	1.5	1.3	.6	.9	.1											49	49	110	93														
27 51		.4	.4	.9	.6	.3												25	25	113	146														
57 49			.2	.1	.3	.2												8	8	54	117														
47 47		.1	.2	.4	.5													12	12	54	93														
47 45		.1	.4	.1														6	6	23	96														
47 43		.2	.3															5	5	19	64														
27 41																				17	31														
47 39																				5	33														
7 37																					57														
17 35																					24														
34 33																					18														
27 31																					14														
7 29																					5														
27 27																					2														
27 25																					2														
27 23																					3														
27 21																					2														
TOTAL	.9	6.5	11.9	18.6	18.2	16.2	11.0	8.2	5.8	2.2	.5	.2						930	930	930	930														
Element (X)	2x <sup>2</sup>	2x	X	x <sup>2</sup>	No. Obs.		Mean No. of Hours with Temperature					Total																							
Rel. Hum.	3534858	55318	59.5	16.221	930		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																						
Dry Bulb	3774954	58842	63.3	7.479	930				30.2	10.2	2.0		93																						
Wet Bulb	2844146	51182	55.0	5.428	930				.4				93																						
Dew Point	2181541	44558	47.9	7.111	930			3.1					93																						

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7 220 STATION GALENA AFS AK STATION NAME 73-82 YEARS AUG MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
47 83																																	1	1				
57 81																			.1	.1	.1	.2											5	5				
67 79																			.2	.3													5	5				
77 77																			.2	.3													9	9				
87 75																			.3	.5	1.2	.3											22	22				
97 73																			.1	.2	.5	1.1	.4										23	23				
107 71																			.4	.4	.9	1.3	1.3										42	42				
117 69																			.2	.4	1.1	1.1	.3										44	44				
127 67																			.1	.3	.6	1.8	1.8	.3	.3								62	62	1			
137 65																			.2	.4	1.9	2.3	1.8	1.4	.3								78	78	18			
147 63																			.3	1.3	3.5	2.5	1.8	.4	.1								93	93	27	4		
157 61																			.3	2.7	3.1	2.5	1.2	.6	.4	.1							110	110	65	17		
167 59																			1.5	2.6	3.4	1.6	.8	.6	.3								103	103	125	15		
177 57																			.1	2.4	3.1	2.7	.9	.9	.3								96	96	139	55		
187 55																			.6	1.9	3.1	2.0	1.0	.3	.1								95	95	126	97		
197 53																			.3	1.9	2.4	1.1	.9	.5	.1								67	67	139	83		
207 51																			.2	.8	1.3	.8	.3	.3									34	34	109	141		
217 49																			.1	.6	.5	.5	.1										18	18	62	128		
227 47																			.4	.5	.8	.2											18	18	39	107		
237 45																				.3	.6												9	9	30	80		
247 43																			.1	.1	.1												3	3	18	52		
257 41																				.3													3	3	25	32		
267 39																																			3	30		
277 37																																			4	27		
287 35																																				17		
297 33																																				18		
307 31																																				16		
317 29																																				3		
327 27																																				2		
337 25																																				5		
347 23																																				1		
TOTAL																																			930	930	930	

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4188978	60598	65.2	16.089	930			21.3	6.5	.8		93
Wet Bulb	3550396	50770	54.6	5.934	930							93
Dew Point	2250067	45293	48.7	6.898	930		2.7					93

USAFETAC FORM 24 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AND WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 73220 GALENA AFS AK STATION NAME 73-67 YEARS MONTH AUG  
 PAGE 1 2100-2300  
 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
75																		1	1		
73																		2	2		
71					.1					.3	.1							5	5		
69				.1	.2	.5	.4	.1										13	13		
67			.3	.3	.4	.6	.3											19	19		
65		.3	.5	1.0	1.0	.8												41	41	2	
63		.4	1.2	1.6	.6	.4	.1											43	43	14	4
61	.6	1.7	3.3	2.8	1.7	.1												89	89	78	12
59	.3	3.1	5.0	1.4	.9	.5	.1											113	113	63	14
57	.1	3.7	5.9	3.1	1.0	.2												130	130	119	55
55	.9	4.3	5.4	2.2	.6	.4		.1										129	129	139	89
53	.4	4.1	4.2	1.6	.1				.1									98	98	101	111
51	.3	3.5	3.2	1.2	.4	.1	.1											83	83	134	131
49	.5	2.8	2.4	.6	.3													62	62	174	128
47	.2	.6	.8	.6	.4													25	25	53	118
45	.3	1.3	1.7	.8	.1													59	59	44	72
43		.9	1.0	.2														19	19	34	40
41		.5	.6	.3														14	14	31	42
39		.1	.1	.1														3	3	22	34
37																				8	25
35		.1	.1															2	2	1	19
33																				2	15
31																				1	10
29																					2
27																					3
25																					5
TOTAL	3.8	27.9	36.9	18.2	8.4	4.0	1.2	.2										930	930	930	930

Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	I	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5722446	72010	77.4	12.566	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2960524	52152	56.1	6.223	930			4.0	.3			93
Wet Bulb	2569383	48599	52.3	5.659	930			.1				93
Dew Point	2256507	45389	48.8	6.666	930		2.0					93

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 221 SALONA AFS AK 73-62 YEARS 645 MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
4 / 93																																		6	6				
7 / 81																																			21	21			
7 / 79																																			19	19			
7 / 77																																			42	42			
7 / 75																																			69	69			
4 / 73																																			58	48			
7 / 71																																			148	148			
7 / 69																																			126	156			
7 / 67																																			271	271	7		
6 / 65																																			391	391	59	1	
4 / 63																																			431	431	132	10	
7 / 61																																			560	560	276	81	
7 / 59																																			690	690	547	144	
7 / 57																																			792	792	825	313	
7 / 55																																			868	868	971	563	
4 / 53																																			752	752	981	785	
7 / 51																																			611	611	1010	1039	
7 / 49																																			501	501	803	1014	
7 / 47																																			315	315	575	916	
7 / 45																																			246	246	393	758	
4 / 43																																			158	158	275	857	
7 / 41																																			119	119	244	309	
7 / 39																																			91	91	165	268	
7 / 37																																			39	39	108	239	
7 / 35																																			12	12	49	154	
7 / 33																																			3	3	16	134	
7 / 31																																						3	137
7 / 29																																						48	
7 / 27																																						27	
7 / 25																																						25	
7 / 23																																						19	
7 / 21																																						11	
7 / 19																																						2	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/PAO

PSYCHROMETRIC SUMMARY

220 GALENA AFS AK 73-82 SEP MONTH

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
57			.1	.2														3	3																
55		.8	.3	.6														15	15																
53		.9	1.1	.7														24	24	6	3														
51		1.1	2.3	.5	.1	.1	.1											39	39	17	0														
49	.1	4.1	1.9	.8	.2	.3												67	67	34	17														
47	.7	5.1	3.1	1.7	.2	.1												98	98	73	41														
45	.4	6.1	2.9	.9	.0													95	95	84	62														
43	.4	5.9	3.6	1.2														98	98	91	77														
41	.6	4.4	4.4	.6	.1													91	91	111	73														
39	.8	4.8	3.4	.4														85	85	95	68														
37	.8	4.3	3.9	.7														87	87	97	69														
35	1.1	2.3	2.2	.5														56	56	89	77														
33	.4	2.9	3.3	.6														65	65	56	68														
31	.4	2.1	1.6	.4														41	41	51	76														
29		1.0	1.1															19	19	49	65														
27		.9	.4															12	12	27	44														
25		.3																3	3	23	51														
23	.1	.1																2	2	4	13														
21																					9														
19																					23														
17																					19														
15																					5														
13																					1														
TOTAL	5	247	235	6	9	8	.9	.6	.1									900	900	900	900														
Element (X)	ΣX'	ΣX	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	5517573	71599	79.6	11.628	900	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	1619933	37719	41.9	6.597	900		7.7					90																							
Wet Bulb	1432726	35424	39.8	6.539	900		15.4					90																							
Dew Point	1213006	32250	35.8	7.997	900		29.8					90																							

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

12222 GALENA AFS AK 73-62 SEP  
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
50			.7																														51	6		
47			.7	1.1	.2																												17	17		
44			1.3	1.8	.2																												30	30	13	3
41		.4	2.7	2.4	.7																												57	57	35	16
38		.3	3.7	1.3	.3	.2																											53	53	47	50
35		.5	6.1	3.1	.1	.1																											90	90	80	51
32		.2	9.3	2.2	1.0	.1																											116	116	97	70
29	1.6	4.2	3.1	1.4																													93	93	105	91
26	2.4	4.2	3.4	.4																													95	95	84	97
23	.8	4.9	1.6	.6																													70	70	90	66
20	1.1	5.0	1.6	.7																													75	75	91	77
17	1.0	4.2	2.2	.4																													71	71	71	65
14	.1	3.7	2.6	.6																													62	62	50	72
11	.2	2.2	2.3																														40	40	51	77
8			1.3	.3																													15	15	40	49
5			.3	.2																													5	5	28	28
2			.2																														2	2	5	25
0		.3																															3	3	5	32
TOTAL	9.154	129.6	6.7	.4	.1																												900	900	900	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	6119818	73494	81.781	4.71	900							90
Wet Bulb	1506365	36327	40.4	6.678	900		12.7					50
Dew Point	1352410	34372	38.2	6.646	900		19.7					90
	1161121	31505	35.0	8.051	900		33.8					90

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1220 SALENA AFS AK STATION NAME

73-82 YEARS

SEP MONTH

PAGE 1 0900-1100 HOUR (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/63				.1														1	1																
47/61					.1		.1											2	2																
47/59		.1	.2	.2	.4	.2												11	11																
47/57		.1	.3	.3	.7	.1	.1	.1										16	16																
47/55		.6	1.1	2.1	.2		.3	.1										45	45	4	1														
47/53	.1	.9	1.3	2.8	1.1	.4	.4											68	68	15	6														
47/51	.1	1.4	2.7	2.7	.8	.3	.1											73	73	30	12														
47/49	.1	2.9	3.4	1.8	.6	.4												63	83	70	14														
47/47	.1	5.7	4.7	1.7	1.1													119	119	87	33														
47/45	.1	4.6	2.3	1.9	1.4													93	93	136	69														
47/43	.1	4.2	2.6	2.7	.1													61	81	103	114														
47/41	.3	1.8	3.3	1.2	.4													61	61	79	110														
47/39	.3	2.6	2.7	.3	.3													56	56	79	80														
47/37		2.4	2.3	.9	.1													42	52	77	46														
47/35	.6	2.1	1.9	1.3	.1													54	54	58	73														
47/33	.2	2.4	1.9	1.4														46	46	47	57														
47/31		1.2	1.5	.9														28	28	45	66														
47/29		.1	.9															9	9	33	62														
47/27		.1																1	1	22	35														
47/25		.1																1	1	12	19														
47/23																				1	16														
47/21																					21														
47/19																					16														
47/17																					16														
47/15																					13														
47/13																					1														
47/11																					1														
TOTAL		.133	.331	.921	.7	8.1	1.6	1.9	.3									900	900	900															
Element (X)	Z <sub>X</sub>	Z <sub>X</sub>	X	X	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	4994592	65836	73.2	14.095	900	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	1870596	40526	45.0	7.134	900		3.9					90																							
Wet Bulb	1577717	37201	41.3	6.673	900		11.3					90																							
Dew Point	1259961	32837	36.5	8.297	900		28.6					90																							

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAJ

PSYCHROMETRIC SUMMARY

73-62 STATION GALENA AFS AK STATION NAME 73-62 YEARS SEP MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
64						.1												1	1																
67					.2			.1										6	6																
68				.1	.2	.1	.4	.3										11	11																
63				.2	.1	1.4	.3	.2	.2									23	23																
61					.2	1.9	.2	.8	.3	.1								32	32																
59			.2	1.0	.9	1.4	.6	1.0										46	46	5															
57		.1	.6	1.9	3.4	1.6	1.0	.4										91	91	3															
55		.2	.7	2.0	3.1	.2	.2											68	68	12	1														
53		.3	1.4	3.7	2.2	.9	.2											79	79	49	7														
51		1.1	3.0	2.6	2.4	1.0												91	91	56	10														
49		2.4	2.6	2.4	1.7	1.0												91	91	109	25														
47		2.8	2.0	1.4	1.9	.1												74	74	143	37														
45		2.7	1.1	1.7	.4	.3												56	56	108	65														
43		1.1	1.1	1.7	.8	.4												46	46	56	102														
41		1.4	1.7	2.2	1.0	.1												58	58	64	96														
39		.9	1.6	1.2	.6													42	42	56	79														
37		.8	1.3	2.4	.1													42	42	46	77														
35		.3	1.1	1.7	.8	.2												37	37	60	54														
33		.7	.3	1.1	.1													20	20	46	46														
31																				35	64														
29																				12	61														
27																				10	40														
25																					16														
23																					19														
21																					22														
19																					16														
17																					16														
15																					7														
13																					3														
TOTAL		.315	.719	.426	.419	.911	.3	.3	.2	.9	.6	.1						900	900		900														

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3315166	56846	63.275	8.08	900							90
Wet Bulb	2277364	44742	49.7	7.967	900			7				90
Dew Point	1776601	34469	43.9	6.646	900		5.7					90
	1281771	33131	36.8	8.314	900		28.6					90

2

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

1220 DALENA AFS AK 73-82 SEP  
 STATION STATION NAME YEARS MONTH

FACE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/69						.2	.1											3	7																
7/67						.3	1.	1.6	.3									29	29																
6/65						.2	.7	.1	.3	.1								13	13																
4/63						1.1	.6	.4	1.0	.3								71	31																
2/61				.6	.9	1.2	.9	.3	.4									39	39	2															
2/59				1.0	1.3	2.1	1.0											60	60	3															
7/57			.6	1.6	2.7	2.7	1.6											51	61	4															
5/55		.3	.8	2.1	2.6	2.7	.6											75	75	22															
4/53		.4	2.3	2.4	1.9	1.6	.1											78	78	40	3														
7/51	.1	1.0	1.2	.3	2.7	1.6												60	60	61	14														
7/49	.1	1.9	3.2	2.1	1.9	1.1												92	92	130	26														
4/47		2.1	1.3	1.7	1.2	.7	.1											64	64	121	41														
4/45		2.1	1.2	1.3	.4	.6												51	51	101	81														
4/43		1.3	.4	2.2	1.7	1.4												58	58	98	87														
2/41		1.3	.8	2.4	.8	.1												49	49	63	90														
6/39	.4	.9	.8	1.0	.9	.1												37	37	53	63														
3/37	.1	1.7	.7	1.4	.3													38	34	40	74														
7/35		.6	1.8	1.2	.2													34	34	70	71														
3/33		.3	.1	.4														8	8	10	51														
2/31																				38	83														
7/29																				11	50														
7/27																				3	42														
7/25																					17														
7/23																					14														
2/21																					20														
7/19																					32														
7/17																					15														
1/15																					3														
1/13																					3														
TOTAL		.2	14.0	15.2	22.0	31.8	31.6	.7	6.9	3.2	2.1	.4						900	900		900														

FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUL 64

Element (X)	Z <sub>g</sub> '	Z <sub>h</sub>	X	σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3536916	54300	60.3	17.33	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2402768	45889	51.7	8.377	900			3.2				90
Wet Bulb	1817868	40006	44.5	6.633	900		5.2					90
Dew Point	1272075	33005	36.7	8.285	900		27.9					90

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GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

11220 VALENA AFS AK STATION NAME 73-82 YEARS SEE MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
69						.1	.1											2	2		
67				.1			.1	.2	.2									6	6		
65				.1	.1		.6	.1										8	8		
63				.1		.4	.6	.2	.1									13	13		
61				.2	.3	1.0	.1	.4	.1									20	20	1	
59				.3	1.1	1.0	.4	.1	.1									28	28	3	
57			.6	1.8	2.5	.7	.3	.3										56	56	3	
55		.6	1.8	1.3	2.2	2.6	.4											74	74	6	
53		.6	2.8	2.1	2.4	.6												76	76	36	3
51		1.6	2.8	2.7	.9	.6	.2											78	78	72	19
49	.2	2.7	3.3	2.3	1.6	.1												92	92	92	24
47	.1	2.6	2.8	2.2	1.4	.2												82	82	119	46
45	.2	2.8	2.7	1.7	.6	.2												73	73	123	65
43		4.1	1.4	.8	.6	.3												65	65	85	99
41	.2	.9	1.9	1.6	.6	.1												47	47	95	119
39	.1	1.2	1.8	1.7	1.2													52	52	49	89
37	.1	1.6	1.6	1.0	1.0													47	47	41	74
35		2.2	1.3	1.4														45	45	59	67
33		.4	.9	1.3														24	24	51	83
31		.2	.8	.1														10	10	30	60
29		.2																2	2	30	44
27																				12	36
25																				3	17
23																					15
21																					25
19																					25
17																					6
15																					6
TOTAL	1.5	21.3	26.7	22.7	16.1	7.4	3.0	1.3	.4									900	900	900	900
Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	42422.8	60156	66.3	5.692	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	21427.9	43328	48.1	7.955	900		1.2	.8				50									
Wet Bulb	17167.9	38826	43.1	6.818	900		7.5					90									
Dew Point	12896.8	33220	36.9	8.904	900		25.0					90									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

227 GALENA AFS AK 73-82 SEP  
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22		23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
7 51			.1															1	1	
7 55		.1		.3	.1													5	5	1
7 57			.1	.2	.7	.1	.1											7	7	1
7 55		.9	.6	.4	.4													22	22	2
7 53		1.1	3.1	1.2	.3	.6	.1											57	57	11
7 51		1.2	3.1	1.4	.4													56	56	23
7 49	.1	3.3	4.3	1.9	.9													99	99	52
7 47	.4	5.8	2.4	2.1	.6	.3												105	105	89
7 45	.4	5.2	3.9	1.8	.2													103	103	121
7 43		4.1	4.1	1.2	.2													87	87	92
7 41	.3	4.2	3.4	1.3	.2													96	86	114
7 39	.2	2.6	3.3	1.1														65	65	82
7 37	.4	2.2	2.2	1.7	.1													54	54	70
7 35	.6	2.2	1.9	1.9														59	59	71
7 33	.3	1.6	3.3	1.2														55	55	50
7 31		1.0	.6	.7														22	22	35
7 29		.1	1.0															10	10	11
7 27		.2	.6															7	7	17
7 25																				17
7 23																				1
7 21																				
7 19																				12
7 17																				23
7 15																				25
7 13																				11
TOTAL	2.9	35.8	38.3	17.9	3.8	1.0	.3											900	900	900

Element (X)	Σ X'	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5252994	67788	75.3	12.796	900							90
Dry Bulb	1777080	39536	43.9	6.696	900		3.9					90
Wet Bulb	1527987	36607	40.7	6.588	900		12.1					90
Dew Point	1248496	32680	36.3	8.294	900		27.3					90

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

73220 GALENA AFS AK 73-02 YEARS SEP MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
69					.1	.0												6	6						
67				.0	.2	.1	.2	.2	.0									41	41						
65				.1	.0	.0	.2	.1	.1	.0								72	32						
63				.1	.0	.4	.2	.1	.2	.0								68	68						
61			.0	.1	.2	.5	.2	.2	.1	.0								94	94	3					
59		.0	.1	.4	.5	.6	.3	.2	.0									150	150	1					
57		.0	.3	.8	1.2	.6	.4	.1										244	244	13	1				
55		.5	.8	1.1	1.1	.6	.2	.0										311	311	46	4				
53	.0	.6	1.8	1.7	1.0	.5	.1											410	410	144	29				
51	.2	1.3	2.3	1.4	.8	.4	.1											461	461	282	17				
49	.2	2.8	3.1	1.5	.9	.4												634	634	543	153				
47	.3	4.0	2.5	1.4	.8	.2	.0											566	566	738	312				
45	.3	4.4	2.4	1.2	.5	.1												645	645	828	531				
43	.1	4.7	2.3	1.4	.3	.3												654	654	713	663				
41	.4	2.8	2.8	1.4	.4	.0												565	565	725	750				
39	.7	3.2	2.6	.9	.4	.0												533	533	590	641				
37	.5	2.7	2.0	1.1	.2													465	465	594	574				
35	.7	2.5	1.8	1.1	.1													446	446	579	563				
33	.3	2.1	1.6	.9	.													362	362	426	491				
31	.1	1.5	1.2	.4														227	227	355	582				
29	.0	.7	.9															115	115	371	496				
27	.2	.4	.2															44	44	179	322				
25		.1	.1															15	15	102	242				
23	.0	.1																8	8	21	131				
21	.1																	4	4	6	167				
19																					174				
17																					140				
15																					56				
13																					18				
11																					1				
TOTAL	3.9	34.5	28.4	16.6	8.5	4.8	1.8	1.0	.4	.1								7200	7200	7200					

Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	39922506	523698	72.7	15.948	7200	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	15105442	324348	45.1	8.254	7200			41.3	4.7			720
Wet Bulb	12550400	296314	41.2	7.029	7200			96.4				720
Dew Point	9892562	260238	36.1	8.220	7200			233.5				720

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-220      GALENA AFS AK      73-82      OCT  
STATION      STATION NAME      YEARS      MONTH  
PAGE 1      0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb
4 / 45		.5	.3	.2													10	10	3	
4 / 43	.3		.3	.1													7	7	6	0
4 / 41	.3	.3	.6														12	12	9	5
4 / 39	.4	1.1	.9														22	22	12	5
7 / 37	.8	1.2	1.2	.2													31	31	24	17
7 / 35	.9	2.4	1.9	.3													51	51	29	15
8 / 33	.3	4.7	1.8														64	64	44	14
7 / 31	1.6	7.2	1.4	.1													98	98	88	49
7 / 29	1.0	3.2	1.0														48	45	41	60
7 / 27	1.1	6.2	1.3														60	60	61	66
7 / 25	.9	4.7	1.1														62	62	51	67
7 / 23	1.5	3.8	1.3														58	58	73	43
7 / 21	1.2	3.1	.5														45	45	50	69
7 / 19	1.1	4.6															53	53	56	63
7 / 17	1.3	3.2	.3														45	45	45	88
7 / 15	.9	4.2															47	47	44	53
7 / 13	1.1	2.6															34	34	42	56
7 / 11	1.4	1.9															31	31	34	48
7 / 9	.6	1.6															21	21	30	35
7 / 7	.7	3.0															31	31	27	28
7 / 5	1.0	.2															11	11	22	24
7 / 3	1.2	1.1															21	21	15	31
7 / 1	1.1	.2															12	12	18	31
7 / -1	.2	.1															9	9	6	19
-7 / -3	.5	.2															7	7	8	15
-7 / -5	.5	.1															6	6	5	13
-7 / -7	.2																2	2	3	7
-7 / -9	.1																1	1	1	8
-7 / -11	.2																2	2	2	2
-1 / -13	.2																2	2	2	3
-1 / -15	.3																3	3	3	7
-1 / -17	.1																1	1	1	1
-1 / -19																				2
-1 / -21	.2																2	2	2	1
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 44 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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GLOBAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

2 220 GALENA AFS AK 73-80 OCT  
 STATION STATION NAME YEARS MONTH  
 P 5 F 1 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb
4/ 45		.3	.3														6	6	3	1
4/ 43			.1	.2													3	3	1	2
4/ 41	.9	.4	.1	.1													14	14	13	8
4/ 39	.1	.3	1.1														14	14	5	4
4/ 37	1.2	1.3	.3	.1													27	27	21	14
4/ 35	1.2	1.9	1.4	.1													43	43	32	17
4/ 33	.9	5.7	1.3														73	73	36	19
4/ 31	1.0	6.1	1.3														66	86	92	43
4/ 29	1.8	4.4	1.3														67	67	73	64
4/ 27	.9	4.7	1.2														63	63	65	71
4/ 25	1.5	5.6	.6														72	72	78	56
4/ 23	.9	3.0	.4	.1													41	41	60	41
4/ 21	2.3	3.8	.2														58	58	53	65
4/ 19	1.3	4.6															55	55	64	70
4/ 17	1.3	3.5	.4														49	49	57	47
4/ 15	1.2	3.3															42	42	36	55
4/ 13	1.4	3.7															47	47	49	43
4/ 11	2.0	2.0															38	38	46	51
4/ 9	.4	1.8															21	21	26	45
4/ 7	.2	2.0															21	21	16	36
4/ 5	1.1	.8															17	17	32	32
4/ 3	.5	.5															10	10	10	21
4/ 1	1.1	.2															12	12	10	34
4/ -1	1.7	.1															17	17	18	14
4/ -3	1.1	.1															11	11	12	18
4/ -5	.9																8	8	6	18
4/ -7	.5																5	5	5	9
4/ -9	.1																1	1	1	9
4/ -11	.1																1	1	1	3
4/ -13	.1																1	1	1	6
4/ -15	.3																3	3	3	4
4/ -17	.1																1	1	1	2
4/ -19																				2
4/ -21																				1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7-22-82 GALENA AFS AK 73-82 OCT 1982  
STATION STATION NAME YEARS MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7-22	.2																		2	2	2															
7-25																		1			1															
7-27	.1																	1	1	1	1															
7-29																					1															
7-31																					1															
TOTAL	29.16	4.9	6.6																930		930															
																			930		930															

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>K</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	6072179	74827	80.11	1.67	930							
Dry Bulb	592912	20864	22.40	1.569	930	5.1	75.0					93
Wet Bulb	535277	19743	21.20	1.182	930	5.3	81.7					93
Dew Point	414923	15655	17.00	1.477	930	9.3	86.5					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 AIR 64

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FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 METEOROLOGICAL SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION: 20000 CALONA AFB AK STATION NAME: 73-82 YEARS: OCT  
 MONTH: OCT  
 PAGE 1 7600-0800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
47-40		.3																3	3	2	3
47-42		.2	.3															5	5	2	3
47-41	1.2			.2	.1													14	14	12	13
47-39	.2	.9	.9		.1													19	19	5	2
47-37	.4	.8	.1															12	12	16	4
47-35	.9	2.3	1.1	.1														40	40	20	13
37-73	1.5	3.4	1.8															81	81	47	22
27-31	2.	7.0	.9															92	92	95	50
17-29	1.2	4.0	1.2															59	59	73	52
17-27	1.1	4.5	1.7															63	63	65	62
17-25	1.8	4.8	.1															63	63	83	65
17-23	1.1	3.3	.3	.2														46	46	59	44
17-21	2.5	3.7	.2															57	57	56	61
17-19	2.5	1.6																71	71		73
17-17	1.7	2.5	.2															41	41		54
17-15	1.7	4.0																46	46		69
17-13	1.7	2.6																40	40	23	43
17-11	1.1	2.5																33	33	20	38
17-9	.5	1.7																21	21	27	33
17-7	.8	3.4																39	39	24	34
17-5	.4	.5																9	9	19	27
17-3	.6	.8																13	13	13	35
17-1	.1	.2																3	3	4	32
17-1	1.3	.2																16	16	14	18
17-3	1.2																	11	11	13	18
17-5	1.1																	10	10	10	13
17-7	.9																	6	6	8	7
17-9	.6																	6	6	6	9
17-11																					12
17-13	.1																	1	1	1	5
17-15	.2																	2	2	2	3
17-17																					4
17-19	.1																	1	1	1	1
17-21	.2																	2	2	2	3
Element (X)	Σx²	Σx	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM NO. 0-26-5 (O.L.A.) REVISED PERIODIC EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 321 SULENA AFS AK 73-62 OCT  
 STATION STATION NAME YEARS MONTH

PAGE 2 0600-0800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7-27	.2																	2	2	2	2														
7-29	.1																	1	1	1	1														
7-33																																			
TAL	20.661	3.84	.5	.2													930		930																

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	106401	74641	87.301	1.68	930							
Dry Bulb	542603	20597	22.141	8.21	930	6.0	75.6					93
Wet Bulb	527317	19421	20.921	4.48	930	6.0	82.4					93
Dew Point	412937	15561	16.832	7.67	930	10.0	86.8					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 73-82 GALENA AFS AK STATION NAME: 73-82 YEARS: OCT MONTH: 0900-1100 HOURS (L. S. T.)

PAGE 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
51			.2															2	2																
49				.2														2	2																
47			.1															1	1																
45			.4															6	6		1														
43			.4	.3														7	7		8														
41	.6	.3	.3	.4	.3													23	23	12	13														
39	.2	.4	1.0	.2														17	17	11	3														
37	.4	1.2	1.1	.1														26	26	17	9														
35	1.1	3.0	2.9	.5														70	70	20	19														
33	.6	4.3	1.7															62	62	63	12														
31	1.7	4.7	1.5	.2														76	76	72	66														
29	1.2	4.7	2.7	.1														75	75	74	47														
27	.5	5.6	1.5	.4														75	75	65	52														
25	1.1	4.6	1.1															63	63	91	67														
23	.9	3.0	.9															44	44	65	62														
21	1.7	4.4	1.0															66	66	62	41														
19	.9	4.8	.4															57	57	65	66														
17	1.2	3.7	.8															52	52	44	56														
15	1.1	4.1	.1															49	49	49	69														
13	.3	2.3																24	24	42	50														
11	1.2	1.5																25	25	33	51														
9	.1	1.0																10	10	15	30														
7	.2	2.5																25	25	21	35														
5	.5	.8																12	12	20	19														
3	.9	.6																14	14	15	31														
1	.5	.5																10	10	11	24														
-1	1.2																	11	11	13	25														
-3	1.0																	9	9	9	9														
-5	.3																	3	3	3	11														
-7	.5																	5	5	5	9														
-9	.1																	1	1	1	5														
-11	.1																	1	1	1	9														
-13																					5														
-15	.1																	1	1	1	4														

Element (X)	$\Sigma R'$	$\Sigma R$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

### PSYCHROMETRIC SUMMARY

STATION 220 GALENA AFS AK STATION NAME 73-82 YEARS 001 MONTH

PAGE 1900-11-00  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
17-17	.3																	3	3	3	3														
17-21	.1																	1	1	1	1														
17-23																																			
17-25	.2																	2	2	2	2														
17-27																																			
17-29																					1														
TAL	21.059	.017	.2	2.5	.3												630	630	630	930															

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total					
Rel. Hum.	5681144	71828	77.211	1.990	930							
Dry Bulb	653344	22274	24.011	1.359	930	3.7	71.4					93
Wet Bulb	574716	20808	22.440	1.840	930	3.9	78.6					93
Dew Point	425135	16395	17.662	1.108	930	8.6	86.9					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73220 GALENA AFB AK 73-80 OCT  
STATION STATION NAME YEARS  
PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb
5 / 55									.1									1	1
4 / 53								.1										1	1
3 / 51				.1	.2													2	2
2 / 49				.2	.4	.1												7	7
1 / 47			.1	.3	.2	.1												7	7
4 / 45			.6	.5	.6													17	17
4 / 43			.6	.4	1.3	.1												23	23
3 / 41			.3	.5	.4													12	12
2 / 39	.4	.8	1.4	1.1	.2													35	36
1 / 37	.3	1.9	2.6	1.9														57	57
3 / 35	.2	2.6	4.5	.3														71	71
3 / 33	.3	1.5	1.7	.5	.3													41	41
2 / 31	1.6	5.4	2.8	2.6	.3													118	119
1 / 29	.7	6.2	1.7	1.2														55	55
1 / 27	.4	4.0	1.7	.1														58	58
1 / 25	.6	5.1	1.5	.1														58	68
1 / 23	.5	2.5	1.4															37	37
2 / 21	1.5	5.3	1.5	.1														73	73
1 / 19	.5	2.8	2.0															59	59
1 / 17	.3	2.7	1.5															37	37
1 / 15	.5	1.4	.3															18	18
1 / 13		1.5																14	14
1 / 11	.5	1.3																17	17
1 / 9	.7	1.4																15	15
1 / 7		1.2																11	11
1 / 5	.7	1.3																14	14
1 / 3	.6	1.2																17	17
1 / 1	.1	.2																3	3
1 / -1	.1																	1	1
-1 / -3																			
-1 / -5	.2																	2	2
-1 / -7	.1																	1	1
-1 / -9	.1																	1	1
-1 / -11	.1																	1	1
Element (X)	Z <sub>g</sub>	Z <sub>g</sub>	X	e <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total								
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total							
Dry Bulb																			
Wet Bulb																			
Dew Point																			

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

2

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE  
 WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION 200 SALENA AFB AK STATION NAME 73-82 YEARS MONTH

PAGE 1 1-1-1954  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point		
17-13																																				2	2	
17-15																																						4
17-17	.1																																		1	1	1	
17-19	.1																																		1	1	2	
17-23																																					1	
17-25																																					1	
TOTAL	0.45	0.42	0.26	0.21	0.2	1.0	0.2																													93	93	93

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 30 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	8912709	66843	71.5	3.66	937							
Dry Bulb	795861	25369	27.3	6.572	937	1.0	65.4					93
Wet Bulb	667731	23173	24.9	9.86	937	1.0	72.8					93
Dew Point	852037	17585	18.9	11.343	937	6.3	85.8					93

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

2

GENERAL CLIMATOLOGY BRANCH  
METEOROLOGICAL  
AIR WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: 227 GALENA AFS AK STATION NAME: 73-87 YEARS: 001 MONTH: 1500-1700  
PAGE 1 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																
47-57				.2		.3																										5	5			
47-51				.4		.1	.1																									6	6			
47-45			.3	.3	.1	.1																										8	9			
47-47			.3	.3	.3																											9	9	3		
47-45		1.		.7	.7																											14	14	16		
47-43		.1	.5	1.2	.7																											19	19	6	6	
7-41		.4	.1	1.1																												15	15	14	12	
7-37	.4	.9	1.6	1.6	.1																											45	45	23	7	
7-35	.3	1.0	2.0	1.6																												43	43	21	17	
7-33	.3	4.0	4.5	.2	.2																											61	61	42	4	
7-31	.2	2.5	2.2	1.1	.6																											61	61	41	24	
7-27	1.7	6.0	3.2	2.2	.7																											117	117	76	75	
7-27	.5	3.3	2.4	1.3	.1																											75	75	64	46	
7-27	.4	3.7	2.4	.5																												65	65	53	60	
7-25	.5	3.2	2.7																													56	56	44	90	
7-23	.4	3.9	.9	.2																												49	49	43	43	
27-21	1.4	3.7	1.7																													73	63	64	49	
7-19	.3	2.8	1.6																													46	46	52	67	
7-17	.5	2.9	.6																													38	38	48	63	
7-15	.1	2.2	.4																													25	25	36	81	
7-13	.1	1.3																														13	13	15	43	
7-11	.4	1.2																														15	15	21	41	
7-7	.3	1.5																														16	16	12	45	
7-7	.1	1.1																														11	11	16	35	
7-7	.2	.6																														8	8	13	35	
7-7	.4	1.3																														13	13	12	17	
7-1	.2	.2																														4	4	7	14	
7-1	.1																															1	1	2	12	
7-3																																			1	
7-5	.1																															1	1	1	11	
7-7	.1																															1	1	1	2	
7-9	.2																															2	2	2	4	
7-11	.1																															1	1	1	3	
7-13	.1																															1	1	1	1	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM NO. 0-26-5 (OL A) REVISION 10-64 (THIS FORM IS OBSOLETE)  
 USAFETAC

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FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 200 SALENA AFS AK STATION NAME 73-60 YEARS JUL  
 MONTH

PAGE 2 1500-170  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL										
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
17-15	.2																																									
17-17	.1																																									
17-19																																										
17-21																																										
17-23																																										
TOTAL																																								930	930	930

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Z <sub>K</sub> <sup>1</sup>	Z <sub>K</sub>	X	X <sub>K</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4803329	65571	70.50	3.925	937							
Dry Bulb	427289	25937	27.90	0.577	930	1.0	62.9					93
Wet Bulb	605321	23567	25.3	0.739	930	1.1	72.2					93
Dew Point	454808	17742	19.10	1.191	930	5.6	86.0					93

2

CENTRAL CLIMATOLOGY BRANCH  
 WAFSLTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 221 GALENA AFS AK 73-87 JCT  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1973-2000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb
1 / 51				.1													1	1		
1 / 49			.3		.2												5	5		
1 / 47		.2		.2													5	5		
4 / 45		.8	.1	.2	.1												11	11	9	
4 / 43	.2	.6	.1	.6													15	15	10	6
2 / 41	.1	.5	.1	.2													9	9	11	11
1 / 39	.1	.4	1.5	.4													23	23	11	5
1 / 37	.5	1.1	1.7	.3													34	34	22	15
1 / 35	.2	3.1	3.4	.7													70	70	29	8
3 / 33	1.0	3.5	3.1	.1	.1												75	75	65	15
2 / 31	1.2	5.9	2.6	.8	.1												98	98	57	64
1 / 29	.8	4.3	3.2	.5													83	83	92	60
1 / 27	.3	4.7	1.5	.4													55	65	60	52
1 / 25	1.5	3.9	1.8	.1													63	63	95	88
2 / 23	.5	3.7	1.5														56	56	74	51
2 / 21	1.2	3.4	.3														48	48	59	54
1 / 19	1.2	3.9	1.3														59	59	55	64
1 / 17	.5	3.3	.3														43	43	50	56
1 / 15	.3	3.3	.1														25	25	38	71
1 / 13	.4	2.5															27	27	27	35
1 / 11	.3	1.8															20	27	24	54
1 / 9	.5	1.3															18	18	27	51
1 / 7	.1	2.3															22	22	14	26
1 / 5	1.5	.4															13	13	25	21
1 / 3	.3	1.3															12	12	9	29
1 / 1	.5	.4															9	9	13	26
1 / -1	.3																3	3	3	16
1 / -3	.2																2	2	2	6
1 / -5	.2																2	2	2	17
1 / -7	.3																3	3	3	5
1 / -9	.4																3	3	3	5
1 / -11	.2																2	2	2	4
1 / -13	.1																1	1	1	
1 / -15	.1																1	1	1	2
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-3 (OLA) REVISED EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-220 SLENA AFS AK 73-82 GCI  
 STATION STATION NAME YEARS MONTH

PAGE 2 1800-2000  
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7-17	.2																	2	2	2	1															
7-19	.1																	1	1	1	5															
7-21	.1																	1	1	1	2															
7-23																																				
7-25																					1															
7-27																					1															
TOTAL	14.7	56.0	23.7	5.1	.5												930	930	930	930																

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total		
Rel. Hum.	≤ 30 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F							
Dry Bulb	4337010	69478	74.7	12.5	82	930	2.1	68.2					93
Wet Bulb	617712	21922	23.6	10.4	25	930	2.1	77.1					93
Dew Point	439251	16223	18.3	11.7	73	930	6.7	86.9					93

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 220 WALENA AFS AK STATION NAME 73-87 YEARS OCT MONTH  
PAGE 1 2100-2100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
5 / 41			.2														2	2		
4 / 47			.1	.4													5	5		
4 / 40		.5															7	7	6	
4 / 43	.1	.2		.3													6	5	4	6
4 / 41	.5	.3	.4	.2													14	14	14	7
4 / 34	.5	.5	.6	.3													20	20	11	10
3 / 37	.5	1.4	1.0	.1													26	28	21	9
3 / 35	.4	2.7	2.5	.1													53	53	21	14
3 / 33	1.1	4.1	2.8														74	74	67	22
3 / 31	1.3	7.5	1.6	.1													98	98	65	49
3 / 29	.9	2.9	1.9														53	53	53	53
3 / 27	.6	4.9	2.0	.2													73	73	55	64
3 / 25	1.2	5.3	1.1	.1													70	70	62	73
3 / 23	.7	3.4	1.0														49	49	76	57
2 / 21	1.1	2.5	1.0														42	42	45	50
2 / 19	1.2	4.1	.8														56	56	51	71
2 / 17	1.1	4.7	.3														56	56	40	48
1 / 15	1.3	3.9															45	45	62	48
1 / 13	.6	2.4															28	28	38	34
1 / 11	.5	1.6															20	20	31	47
1 / 9	1.2	1.9															29	29	29	40
1 / 7	.5	2.3															24	24	20	37
1 / 5	.6	.9															14	14	23	25
1 / 3	.9	1.1															18	18	15	30
1 / 1	.4	.4															8	8	7	25
1 / -1	1.3	.1															10	10	10	20
-1 / -3	.4																4	4	5	11
-1 / -5	.4																4	4	4	15
-1 / -7	.5																5	5	5	9
-1 / -9	.3																3	3	3	9
-1 / -11	.4																4	4	4	3
-1 / -13	.1																1	1	1	4
-1 / -15	.1																1	1	1	
-1 / -17	.1																1	1	1	1
Element (X)	Σ X'	Σ X	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (DLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 220 GALENA AFS AK STATION NAME 73-82 YEARS OCT MONTH

PAGE 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-19																																			
1/-21	.2																	2	2	2	1														
1/-23	.1																	1	1	1	1														
1/-25	.2																	2	2	2	1														
1/-27																					1														
1/-29																					1														
1/-31																					2														
TOTAL	21.059	7.17	2.2	2.2														930	930	930	930														

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	5700988	72008	77.4011	662	930							93
Dry Bulb	643526	21910	23.6011	708	930	3.6	72.1					93
Wet Bulb	564319	20500	22.2011	195	930	4.1	78.6					93
Dew Point	422380	16116	17.3012	911	930	8.6	86.2					93

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20541  
 METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 22 WALENA AFB AK STATION NAME 73-89 YEARS OCT MONTH  
 PAGE 1 ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
55																																			1	1		
53																																			6	6		
51																																			12	12		
49																																			24	24		
47																																			27	27	7	
45																																			74	74	40	1
43																																			85	85	57	36
41																																			113	113	96	82
39																																			196	196	96	46
37																																			258	258	175	101
35																																			479	479	245	114
33																																			531	531	421	144
31																																			743	743	66	472
29																																			545	545	64	423
27																																			542	542	536	476
25																																			517	517	692	622
23																																			380	380	571	395
21																																			452	452	451	459
19																																			456	456	451	533
17																																			351	351	377	451
15																																			297	297	337	513
13																																			227	227	289	371
11																																			199	199	241	374
9																																			151	151	191	315
7																																			154	154	151	274
5																																			98	98	179	235
3																																			118	118	111	224
1																																			61	61	79	200
-1																																			68	68	71	130
-3																																			44	44	49	104
-5																																			36	36	35	105
-7																																			30	30	31	56
-9																																			18	18	18	61
-11																																			12	12	12	37
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

FORM NO. 0-26-5 (O.L.A.) REVISIONS WITHOUT NOTATION OF THIS FORM ARE OBSOLETE  
 USAFETAC

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/4AC

**PSYCHROMETRIC SUMMARY**

STATION 220 DALENA AFB AK STATION NAME 73-62 YEARS 001  
 MONTH ALL

PAGE 2 HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-13	.1																	9	9	9	24														
1/-15	.2																	13	13	13	24														
1/-17	.1																	10	10	10	14														
1/-19																		3	3	3	12														
1/-21	.1																	8	8	8	10														
1/-23	.1																	4	4	4	12														
1/-25	.1																	4	4	4	6														
1/-27	.1																	3	3	3	6														
1/-29	.1																	1	1	1	6														
1/-31																					0														
1/-33																					0														
TOTAL	17	257	417	8	4	3	5	1										7440			7440														
																		7440			7440														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		
Rel. Hum.	44515418	567218	76.312	5.97	7440						744
Dry Bulb	5436474	182152	24.501	4.60	7440	26.3	563.4				744
Wet Bulb	4734856	169462	22.810	4.45	7440	27.1	623.7				744
Dew Point	3444238	132520	17.812	3.70	7440	63.5	691.6				744

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 220 CALIFA AFS AK STATION NAME 73-87 YEARS NOV MONTH  
PAGE 1 0070-0200 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
41	.0																2	2	2	2
40	.1																1	1	1	1
39	.3	.5	.1														8	8	5	3
38	.3	.3	.3														6	6	5	1
37	.4	1.1	.3														20	20	16	4
36	.5	1.4															16	16	14	14
35	.6	.9	.1														14	14	17	12
34	.3	1.6	.3														23	23	14	10
33	1.0	2.0															35	35	24	15
32	.7	1.9	.2														17	17	11	11
31	1.1	2.5	.5														38	36	21	24
30	1.5	3.1	.2														45	45	40	36
29	1.6	1.3															25	25	35	23
28	1.6	2.4	.1														26	36	29	38
27	2.3	2.1	.1														39	39	23	23
26	2.2	2.9															53	53	50	44
25	2.4	3.3															20	50	49	36
24	.7	3.5															37	37	26	32
23	2.3	1.7															35	35	25	22
22	2.6	2.1															41	41	25	29
21	1.7	3.3															44	44	22	45
20	1.4	.3															23	33	48	31
19	2.5	.9															33	33	22	31
18	2.1	.7															24	24	23	31
17	2.1																27	27	22	25
16	2.4																20	37	20	27
15	2.5																22	22	22	23
14	1.7																15	15	15	15
13	1.7																5	5	5	34
12	1.5																13	13	13	27
11	1.5																12	13	13	22
10	1.2																17	17	17	14
9	1.7																15	15	15	11
Σ X <sup>2</sup>																				
Σ X																				
X																				
n																				
No. Obs.																				
Mean No. of Hours with Temperature																				
	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total													
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM NO. 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS MANUAL ARE OBSOLETE  
 USAFETAC

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NATIONAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 0220 GALENA AFS AK STATION NAME: 73-87 YEARS: NOV  
 MONTH: NOV  
 PAGE: 0000-0700  
 HOURS (L. S. T.):

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/-27	1.3																	11	11	11	14														
/-29	2.																	7	7	7	14														
/-31	1.0																	9	9	9	15														
/-33	.1																	1	1	1	16														
/-35	.3																	3	5	3	14														
/-37																			5		11														
/-39	.2																	2	5	2	7														
/-41																			4		5														
/-43																			7																
/-45	.1																	1	3	1															
/-47																					2														
/-51																					1														
TOTAL	57.8	39.8	2.4															376	900	876	976														

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5067024	65316	74.605	0.38	876	≤ 10 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	303645	4396	4.917	717	900	32.0	86.3					90
Wet Bulb	249655	4843	5.515	960	976	32.3	87.2					90
Dew Point	296167	-427	-518	392	876	83.8	88.5					90

FORM 0-26.5 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
METEOROLOGICAL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 220 SILENA AFS AK STATION NAME 73-62 YEARS NOV MONTH  
PAGE 1 3300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
41	.1																															1	1	1	1	
37	.5	.3																															7	7	4	3
35	.1	.5	.3																														8	8	5	5
33	.5	1.3	.6																														19	19	11	6
31	.7	.5	.1																														11	11	22	14
29	.5	.7	.3																														14	14	7	4
27	.6	1.4																															17	17	21	15
25	1.4	2.4	.5																														27	37	24	19
23	.2	1.7																															17	17	26	14
21	1.5	2.4	.2																														39	39	27	22
19	3.1	3.6																															58	58	50	41
17	.3	2.3	.1																														21	21	24	34
15	1.5	1.8																															30	30	29	25
13	2.6	2.3																															43	43	40	32
11	3.1	2.5																															55	55	42	38
9	2.3	3.5																															46	46	47	49
7	1.6	4.2																															51	51	42	34
5	1.1	1.4																															22	22	42	26
3	3.1	2.6																															49	49	44	32
1	1.6	2.7																															31	31	32	44
-1	2.1	.5																															26	26	33	38
-3	3.2	1.1																															36	38	37	25
-5	2.6	1.3																															32	32	26	27
-7	3.1																																27	27	36	28
-9	3.1																																27	27	27	22
-11	2.1																																18	18	18	13
-13	2.3																																20	20	20	14
-15	1.5																																13	13	13	48
-17	1.4																																12	12	12	25
-19	1.1																																9	9	9	22
-21	.6																																5	5	5	20
-23	1.5																																16	16	16	21
-25	1.8																																16	16	16	15
-27	1.1																																10	10	10	13
Element (X)	Σ X'	Σ X	X	X'	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 02220 GALENA AFS AK STATION NAME 72-42 YEARS NOV MONTH

PAGE 0 0370-0500 HOURS (L. S. Y.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/-29	1.1																	10	10	10	11														
/-31	1.0																	9	9	9	10														
/-33	.5																	4	4	4	15														
/-35	.3																	3	5	3	0														
/-37																			6		23														
/-39																			2		7														
/-41																			10		4														
/-43																			4		1														
/-45																			2																
/-47																			1																
/-49																			2																
TOTAL	55.938	9.2.2																671	900		671														

Element (X)	Z <sub>1</sub>	Z <sub>X</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5370084	65150	74.805.045		871							
Dry Bulb	307004	4216	4.707.877		900	32.4	86.5					90
Wet Bulb	244140	4900	5.615.780		871	31.6	87.8					90
Dew Point	290507	-289	-308.270		871	82.7	88.5					90

USAFETAC FORM 0-26-5 (OLA) 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

0221 SALENA AFS AK 75-87 NOV MONTH

PAGE 1 0600-2300 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
37		.1																1	1																
36	.3	.3																6	6	5	4														
35	.2	.8	.3															11	12	6	5														
33	.5	1.2	.3															18	19	11	7														
31	.8	.5	.1															12	12	24	14														
29	.2	1.4	.2															16	16	4	2														
27	.8	2.1	.2															17	27	23	17														
25	1.0	2.2	.1															25	29	31	21														
23	1.2	1.7	.1															20	20	26	16														
21	1.5	1.2	.2															28	19	26	27														
17	2.5	3.8																25	55	46	38														
17	.6	2.3																22	22	23	25														
15	1.4	3.0																35	35	34	27														
13	1.7	3.3																44	44	32	39														
11	2.7	2.8																47	47	33	41														
9	2.0	3.1																44	44	43	34														
7	3.0	4.2	.3															57	57	45	36														
5	1.0	1.0																18	19	35	23														
3	3.5	1.7																41	41	4	37														
1	2.3	2.7																47	43	40	37														
-1	2.4	.7																27	27	31	39														
-3	2.4	.8																26	28	31	22														
-5	2.2	.5																23	27	22	23														
-7	3.5																	30	29	34	21														
-9	2.8																	25	24	24	13														
-11	3.0																	26	26	26	24														
-13	1.7																	15	15	15	21														
-15	2.7																	23	23	23	41														
-17	1.6																	14	14	14	25														
-19	1.2																	10	10	10	22														
-21	1.4																	12	12	12	22														
-23	1.5																	13	13	13	12														
-25	1.2																	10	10	10	22														
-27	1.5																	13	13	13	19														
Element (K)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-20-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



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CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

73-82 GALENA AFS AK 73-82 NOV  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
7/37		.1																11	11	3
7/35		.7	.3															13	13	7
7/33	.5	1.1	.1															15	15	11
7/31	.2	1.1	.1															13	13	8
7/29		.6	.2															7	7	4
7/27	1.5	2.5	.3															35	35	19
7/25	1.3	.8	.1															19	19	12
7/23	.7	.8	.1															14	14	10
7/21	2.1	1.5	.1															31	31	19
7/19	2.2	3.7																51	51	30
7/17	1.5	2.4	.1															35	35	26
7/15	1.4	2.9	.2															39	39	29
7/13	1.3	3.2																39	39	49
7/11	2.5	3.5																50	50	31
7/9	1.8	3.7	.2															50	50	28
7/7	2.3	3.8	.1															54	54	45
7/5	1.6	1.5																27	27	23
7/3	1.7	2.5																28	28	51
7/1	2.6	3.4																53	53	40
7/-1	2.0	.7																29	29	22
7/-3	2.2	.7																25	25	30
7/-5	1.1	.2																12	12	28
7/-7	2.2																	28	28	19
7/-9	4.1																	36	36	21
7/-11	2.8																	24	24	32
7/-13	.8																	7	7	25
7/-15	2.2																	19	19	25
7/-17	2.1																	18	18	22
7/-19	1.4																	12	12	37
7/-21	1.4																	12	12	17
7/-23	2.3																	17	17	17
7/-25	1.5																	13	13	12
7/-27	1.7																	15	15	23
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

73-22 STATION CALENA AFB AK STATION NAME 73-82 YEARS NOV MONTH

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
1-29	.6																	5	5	5	17																
1-31	.3																	3	3	3	17																
1-33	.5																	4	4	4	23																
1-35	.3																	3	5	3	5																
1-37																			5		5																
1-39																			4		7																
1-41																			7		5																
1-43																			2																		
4-45																			4		1																
1-47																			2																		
1-49																			2																		
TAL	50	34	11	2	5														899		870																
																			870		870																

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4496372	6464	78.304	9.10	870							870
Wet Bulb	378819	4333	4.987	9.06	899	31.1	86.0					90
Dew Point	243763	4277	5.785	7.47	870	30.1	87.3					90
	288483	-305	-4.18	2.17	670	42.0	88.1					90

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

73-227 GALENA AFS AK 73-82 NOV 1270-1400  
 STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1 1270-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/30		.1																1	1																
7/37	.9	.5	.2															14	14	9	14														
7/35	.7	.6	.5															14	14	10	14														
7/33	.2	.9	.5															14	14	10	14														
27/31		.8	.1	.1														9	9	11	9														
7/27	.5	1.1	.2															17	17	15	17														
7/25	1.1	2.4	.1															22	32	20	15														
7/25	1.1	1.9	.6															34	34	32	32														
7/23	1.5	1.5																22	22	27	15														
27/21	.7	2.4																27	27	21	15														
7/19	2.5	2.5	.5															51	51	47	34														
7/17	1.2	2.7	.1															36	36	36	36														
7/15	1.5	2.5																36	36	36	39														
7/13	1.1	4.6	.6															56	56	31	40														
7/11	4.3	3.9	.4															79	79	33	39														
7/9	2.2	3.1																46	46	37	4														
7/7	.8	2.9																33	33	38	51														
7/5	1.3	2.2																28	28	35	30														
7/3	1.6	3.5																48	48	30	18														
7/1	1.5	2.9																39	39	37	40														
7/-1	1.7	.3																16	16	26	34														
7/-3	2.4	1.7																30	30	28	38														
7/-5	2.5	.6																26	26	28	27														
7/-7	1.9																	17	17	22	20														
7/-9	2.4																	30	37	30	33														
7/-11	1.7																	15	15	15	35														
7/-13	1.6																	14	14	14	24														
7/-15	1.6																	16	16	16	17														
7/-17	2.3																	16	18	18	23														
7/-19	1.9																	17	17	17	26														
7/-21	1.6																	16	16	16	23														
27/-23	1.1																	10	10	13	14														
27/-25	.6																	5	5	5	20														
7/-27	.3																	3	3	3	14														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OLA) 10-64  
 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1228 VALENA AFS AK 73-82 YEARS MONTH

PAGE 1 1270-1438 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1-29	.1																	1	1	1	22														
1-31	.3																	3	4	3	14														
1-33	.5																	4	5	4	4														
1-35	.7																	5	5	3	9														
1-37																			6		1														
1-39																			3																
1-41																			1		6														
1-43																			3		3														
1-45																			1																
TOTAL	61.2	4.9	3.7	.1														882	560		862														

Element (X)	Z <sub>1</sub> '	Z <sub>2</sub>	I	°s	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb	4566762	64884	73.6	18.901	882							9.0
Wet Bulb	290468	6488	7.2	16.964	900	26.4	85.7					9.0
Dew Point	2842.7	6533	7.4	14.912	882	26.4	87.0					9.0

USAFETAC FORM 0-26.5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE AIR 84

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GENERAL CLIMATOLOGY BRANCH  
 AFSAFAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 22 3 GALENA AFS AK 73-80 NOV  
 STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb-Dew Point															
41			.1																														1	1
39		.2																															2	2
37		.1																															7	7
35		.3																															10	10
33		.6																															23	23
31		.2																															7	7
29		.8																															25	25
27		.1																															20	20
25		.3																															33	33
23		.1																															21	21
21		.2																															35	35
19		.2																															44	44
17		.1																															37	37
15		.6																															45	45
13		.5																															52	52
11		.2																															77	77
9		.9																															34	34
7		.4																															48	48
5		.5																															29	29
3		.8																															38	38
1		.4																															34	34
-1		.8																															32	32
-3		1.5																															27	27
-5		.7																															33	33
-7		1.9																															16	16
-9		1.9																															17	17
-11		2.5																															22	22
-13		2.4																															21	21
-15		1.8																															16	16
-17		2.5																															22	22
-19		2.1																															19	19
-21		1.4																															12	12
-23		.5																															4	4
-25		.7																															6	6
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature																												
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																						
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

USAFETAC FORM 34 0-26.5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

STATION 220 GALENA AFS AK STATION NAME 73-67 YEARS NOV MONTH  
PAGE 1 15 0-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
45			.1															1	1																
43			.1															1	1																
41			.1															1	1	1															
39		.2																2	2	4	1														
37		.7	.2															3	3	6	0														
35		.2																2	2	4	3														
33		.1	1.7	.2														18	18	4	2														
31		.5	1.4	.6														11	21	1	1														
29		.6	.8	.2														14	14	18	10														
27		.5	2.7															23	23	17	8														
25		.7	2.3	.3														29	29	27	17														
23	1.2	1.7	.1															27	27	34	18														
21	.6	1.9	.3															26	26	23	18														
19	1.4	2.3	.1															33	33	27	24														
17	1.5	1.6	.3															31	31	23	22														
15	1.9	4.1	.1															34	34	43	36														
13	3.7	2.7	.6															62	62	67	33														
11	3.2	1.9																45	45	45	45														
9	1.7	3.3																44	44	44	63														
7	1.2	3.8																42	42	40	35														
5	1.2	1.7																20	27	43	17														
3	2.2	2.3																39	39	72	21														
1	2.5	3.3																51	51	52	38														
-1	2.3	1.1																35	35	36	41														
-3	2.5	.3																25	25	33	34														
-5	3.1	.8																23	33	27	32														
-7	2.7																	24	24	30	18														
-9	2.5																	23	23	23	34														
-11	2.7																	24	24	24	30														
-13	1.2																	11	11	11	17														
-15	2.3																	20	20	20	26														
-17	1.4																	12	12	12	27														
-19	2.2																	19	19	19	20														
-21	2.6																	23	23	23	22														
Element (X)	Σ X'	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



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FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
U.S. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 220 GALEVA AFS AK STATION NAME 73-02 YEARS NOV MONTH  
PAGE 1 210-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		>31	Dry Bulb	Wet Bulb	Dew Point
67-35	.6		.1															6	6	5	5
67-37	.2	.3																5	5	2	1
67-35	.1	.5	.2															7	7	5	2
67-33	.1	1.4	.3															16	16	9	2
67-31	.7	1.6																20	20	20	15
67-29	.1	.7	.3															10	10	14	10
67-27	.7	2.2	.2															27	27	16	11
67-25	.9	1.9	.6															20	20	21	16
67-23	1.1	1.5	.5															26	26	22	10
67-21	.1	1.3	.1															19	19	24	20
67-19	1.7	2.6	.1															39	39	33	36
67-17	1.1	1.8	.2															28	28	27	22
67-15	1.6	3.3	.2															40	45	32	34
67-13	4.0	2.3																55	55	66	33
67-11	2.6	2.4																44	44	36	33
67-9	1.8	3.3																45	45	44	38
67-7	.3	2.4																37	37	35	20
67-5	1.3	1.3																22	22	41	22
67-3	2.9	2.3																45	45	44	20
67-1	2.1	2.2																63	63	46	35
67-1	2.9	.7																31	31	47	41
67-3	2.1	.7																22	22	35	33
67-5	2.2	.6																24	24	32	44
67-7	3.3																	29	29	34	26
67-9	3.6																	31	31	31	21
67-11	2.5																	24	24	24	30
67-13	1.5																	13	13	13	15
67-15	1.3																	11	11	11	20
67-17	1.6																	14	14	14	32
67-19	1.3																	11	12	11	32
67-21	2.3																	20	20	20	23
67-23	2.2																	19	19	19	12
67-25	.7																	6	6	6	17
67-27	.8																	7	7	7	23
Element (X)	Σ X'	Σ X	X	σ <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JAN 64



2

FEDERAL BUREAU OF SURVEY  
 CENTRAL CLIMATOLOGY BRANCH  
 METEOROLOGICAL SERVICE CENTER  
 WASHINGTON, D. C.

**PSYCHROMETRIC SUMMARY**

STATION 221 GALENA AFS AK STATION NAME 73-62 YEARS NOV MONTH  
 PACT 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
47/43			.0																												1	1			
47/41		.1	.0																												5	5	4	3	
47/39		.1	.1	.0																											14	14	10	7	
47/37		.5	.4	.1																											16	66	41	27	
47/35		.3	.4	.3																											72	72	55	44	
47/33		.4	1.3	.4	.0																										143	143	80	42	
47/31		.4	1.0	.2	.0																										109	109	141	91	
47/29		.4	1.0	.3																											117	117	98	66	
47/27		.8	2.0	.2																											204	204	175	115	
47/25		1.1	2.1	.3																											246	246	248	164	
47/23		.9	1.3	.1																											164	164	215	119	
47/21		1.1	2.1	.2																											240	240	220	190	
47/19		1.4	2.2	3.0	.1																										376	376	343	277	
47/17		1.3	2.0	.1																											235	235	256	219	
47/15		1.6	3.0	.1																											323	323	267	270	
47/13		2.5	2.9	.2																											390	390	357	301	
47/11		3.5	2.9	.1																											450	450	444	308	
47/9		1.9	3.2	.0																											359	359	342	358	
47/7		1.2	3.7	.1																											359	359	346	299	
47/5		1.3	1.6																												201	201	327	185	
47/3		2.3	2.4																												329	329	318	238	
47/1		2.0	3.1																												358	358	325	345	
47/-1		2.0	.6																												229	229	245	276	
47/-3		2.5	.9																												228	228	238	255	
47/-5		2.4	.6																												209	209	199	243	
47/-7		2.8																													198	198	24	182	
47/-9		4.1																													218	218	218	202	
47/-11		2.5																													175	175	175	216	
47/-13		1.7																													116	116	116	160	
47/-15		1.9																													133	133	133	238	
47/-17		1.6																													115	115	115	206	
47/-19		1.0																													110	111	110	211	
47/-21		1.5																													113	113	113	166	

FORM AIR 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



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FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
METEOROLOGICAL SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION 73-62 GALENA AFS AK STATION NAME

YEARS 73-82

MONTH DEC

PAGE 1 0000-3203  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
47																		1	1																	
41																		2	2																	
37																				1																
35			.1	.2														3	3	2																
33			.4	.4														3	3	3	1															
31	.4	.4	.4															9	9	7	5															
29			.5															4	4	5	2															
27	.1	.2																3	3	1	4															
25	.4	1.3																14	14	14	7															
23		.9	.1															8	8	8																
21	.4	.5	.2															9	9	12	11															
19	1.0	2.1																25	25	15	15															
17		1.5	.2															14	14	19	10															
15		2.1	.2															19	19	9	5															
13	.5	3.2	.1															31	31	27	13															
11	.2	3.9																34	34	29	12															
9	.1	2.2																19	19	36	27															
7	.5	2.6																25	25	20	13															
5	.4	2.3																22	22	30	10															
3	1.0	1.6																21	21	26	29															
1	1.3	3.9																43	43	29	32															
-1	2.0	1.6																34	34	38	25															
-3	2.2	.2																20	20	31	24															
-5	3.5	1.0																37	37	31	16															
-7	4.4	.1																37	37	45	33															
-9	3.9																	32	32	32	32															
-11	3.6																	30	30	30	39															
-13	2.1																	17	17	17	34															
-15	5.1																	42	42	42	20															
-17	3.1																	25	25	25	23															
-19	4.1																	33	33	33	34															
-21	3.3																	32	32	32	41															
-23	3.4																	28	29	28	29															
-25	4.1																	33	35	33	29															
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-26-5 (OIA) REISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

7 220 GALENA AFS AK 73-61 YEARS 1973 MONTH

PAGE 1 OF 2  
 HOUR 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
1-27	4.1																	34	35	74	17																
1-29	3.2																	25	25	25	3																
1-31	2.9																	24	24	24	15																
1-33	3.2																	22	22	22	31																
1-35	.5																	4	12	4	5																
1-37																					14																
1-39																			10		19																
1-41																			10		12																
1-43																			17		4																
4-45																			2		4																
4-47																			1		1																
1-49																			0																		
1-51																			0																		
TOTAL	5.731	6.2	1.1															923	500		623																

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	37798.0	5475.4	66.5	12.9	823							
Dry Bulb	439333	-8671	-9.3	19.6	930	62.1	92.1					93
Wet Bulb	251743	-9777	-5.8	16.5	923	60.7	92.3					93
Dew Point	422009	-11359	-13.8	17.9	823	71.0	92.9					93

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

ARMY AIR FORCE CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR FORCE WEATHER SERVICE/AMC

**PSYCHROMETRIC SUMMARY**

STATION 02000 GALENA AFS AK STATION NAME 73-82 YEARS MONTH DEC

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
7/37			.1															1	1	
7/35			.1															1	1	
7/33		.2	.2															4	4	1
7/31			.9	.6														12	12	2
7/29			.2	.1														3	3	6
7/27			.7															6	5	7
7/25			.7	.2														9	8	3
7/23			.7	.1														7	7	5
7/21		.4	.4	.1														7	7	6
7/19		.5	2.1	.2														23	23	17
7/17			2.6	.1														22	22	4
7/15		.5	2.3	.4														26	26	15
7/13			3.2															26	26	13
7/11		.4	3.2															29	29	13
7/9		.2	2.7															24	24	22
7/7		.5	2.3															23	23	25
7/5		.5	.9															12	12	9
7/3	1.3	2.4																31	31	31
7/1	1.1	3.1																34	34	32
7/-1	4.5	1.5																49	49	23
7/-3	2.7	1.6																35	35	12
7/-5	2.3	1.5																31	31	26
7/-7	3.8																	31	31	29
7/-9	2.6																	21	21	34
7/-11	3.5																	29	29	33
7/-13	3.2																	26	26	31
7/-15	4.4																	36	36	34
7/-17	2.3																	19	19	27
7/-19	4.1																	33	33	36
7/-21	4.9																	39	39	32
7/-23	3.3																	27	27	38
7/-25	4.4																	35	35	29
7/-27	3.3																	31	31	24

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-3 (OL A) REVISED PER FOUR EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-22-73 VALENA AFS AK 73-82 YEARS DEC MONTH

PAGE 0 0500-0543 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
1-29	1.7																	14	14	14	29															
2-31	3.2																	26	27	26	27															
3-33	3.5																	29	31	29	37															
4-35	2.7																	6	15	6	25															
5-37																			25		38															
6-39																			16		34															
7-41																			14		22															
8-43																			13		7															
9-45																			9		2															
10-47																			5		2															
11-49																			3		1															
12-51																			17		1															
TOTAL	64.533	0.2	4																819	637	819	619														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3646257	53965	65.902	627	819							93
Dry Bulb	437759	-8597	-9.289	638	819	62.9	92.3					93
Wet Bulb	246131	-4579	-5.606	419	819	67.0	92.4					93
Dew Point	417374	-11272	-13.817	905	819	70.1	92.9					93

USAFETAC FORM 0-26-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 221 SALENA AFB AK 73-82 DEC  
STATION STATION NAME YEARS MONTH

PAGE 1 7500-1000  
HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
5 / 23		.2			.4																													7	7	3	
7 / 31		.5	.2		.4																													9	9	3	4
7 / 24		.1	.4	.1																													5	5	4	2	
7 / 27		.7	.2																														6	8	5	1	
7 / 25	.1	1.2	.2																														13	13	18	2	
7 / 23		.2	.1																														2	3	11	3	
27 / 21	.4	.1	.1																														5	5	5	12	
7 / 17	.1	2.8	.2																														27	27	11	13	
7 / 17	.1	1.9	.1																														18	18	21	4	
17 / 17	.1	2.6	.5																														26	26	25	12	
7 / 13	.6	2.9	.1																														30	30	26	13	
17 / 11	.6	2.4																															25	25	25	21	
7 / 7	.2	2.8	.1																														26	26	28	27	
7 / 7	.1	2.1																															19	18	23	17	
7 / 5	.5	1.3																															15	15	23	17	
7 / 3	1.0	2.2																															26	26	30	21	
7 / 1	1.1	3.8																															40	47	31	27	
7 / -1	3.9	1.9																															48	48	44	13	
-7 / -3	1.7	1.3																															24	24	39	25	
-7 / -5	1.9	1.5																															28	28	21	28	
-7 / -7	4.5																																33	33	41	27	
-7 / -9	3.9																																32	32	32	32	
-7 / -11	3.9																																32	32	32	36	
-17 / -13	3.5																																29	29	29	22	
-17 / -15	4.5																																33	33	33	39	
-17 / -17	3.5																																29	30	29	37	
-17 / -19	4.6																																38	39	38	37	
-17 / -21	4.1																																34	35	34	32	
-27 / -23	2.4																																20	20	20	29	
-27 / -25	4.3																																35	35	35	23	
-27 / -27	2.9																																23	24	23	32	
-27 / -29	2.1																																17	17	17	36	
-27 / -31	3.9																																29	32	29	15	
-27 / -33	3.2																																26	27	26	24	
Element (X)	Σ X <sup>2</sup>	Σ X	X	X <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OLA) 1-64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
 AFSAFAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION WALEMA AFS AK STATION NAME 73-82 YEARS DEC MONTH

PAGE 7 2450-08-40  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point			
1-35	1.3																																			11	26	11	29
1-37																																				15			46
1-39																																				23			33
1-41																																				9			18
1-43																																				17			
4-45																																				11			1
1-47																																				4			1
1-49																																				2			2
1-51																																				10			2
1-53																																				1			
4-55																																				1			
TOTAL	64	9	32	4	2	4	2	4	2	2																									822	237		822	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 75 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3725162	54356	66.112	623	822							
Dry Bulb	432788	-6594	-9.219	563	930	62	9	92	3			93
Wet Bulb	246175	-4721	-5.716	335	822	63	3	92	7			93
Dew Point	413916	-11380	-13.817	671	822	70	8	93	0			93

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JUL 64

GENERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 221 SALENA AFS AK STATION NAME: 73-82 YEARS: DEC  
 MONTH: DEC  
 PAGE: 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
36		.2	.1															3	3		
35	.1	.1	.1	.2														5	5	4	
31	.2	.2	.1	.4														8	8	3	6
29		.5		.2														6	6	3	
27		.5	.1															5	5	12	
25		.7	.1															7	7	10	6
23		.6	.1															6	6	5	5
21	.5	.2	.4															10	10	9	5
19	.5	2.4																25	25	15	13
17		3.2	.5															30	37	15	10
15	.5	2.1																21	21	38	11
13	.4	2.7	.4															28	28	23	7
11	.6	2.2																23	23	24	21
9	.1	2.4																21	21	26	26
7		1.8																17	17	17	27
5	.4	2.1																20	20	25	18
3	.6	2.6																26	26	28	16
1	1.1	4.3																44	44	40	22
-1	2.5	1.3																34	34	34	19
-3	2.3	.9																30	30	34	21
-5	2.1	1.3																28	28	26	19
-7	4.4																	36	36	45	27
-9	4.4																	36	36	36	25
-11	5.0																	41	41	41	44
-13	3.3																	27	27	27	30
-15	4.6																	38	39	38	38
-17	2.9																	24	26	24	34
-19	3.3																	27	27	27	44
-21	3.2																	26	26	26	35
-23	3.8																	31	31	31	16
-25	4.3																	33	33	33	31
-27	3.3																	27	29	27	29
-29	3.2																	26	28	26	33
-31	2.1																	17	18	17	16
Element (X)	Σ X'	Σ X	X	°	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

FEDERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: SALENA AFS AK STATION NAME: SALENA AFS AK YEARS: 73-82 MONTH: DEC  
 PAGE 1 1270-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
37 / 37			.2															2	2	
35 / 35		.4	.1															4	4	1
33 / 33	.1																	1	1	6
31 / 31	.2	.1	.5															7	7	2
29 / 29	.4	.2	.4															8	8	4
27 / 27		.1	.1															2	2	6
25 / 25		1.0																8	8	9
23 / 23		.5																4	4	6
21 / 21	.7	.8	.4															16	16	13
19 / 19	.9	2.0	.4															27	27	16
17 / 17		1.7																14	14	10
15 / 15		4.2	.4															38	38	9
13 / 13	.4	3.3																20	20	13
11 / 11	1.1	1.7																23	23	18
9 / 9	.2	2.0																19	19	20
7 / 7		2.6																22	22	13
5 / 5	.4	1.9																19	19	13
3 / 3	.5	3.5																33	33	13
1 / 1	1.1	4.3																45	45	27
-1 / -1	2.7	.5																27	27	17
-3 / -3	3.2	.7																33	33	17
-5 / -5	2.5	1.6																34	34	22
-7 / -7	3.5																	30	30	27
-9 / -9	3.8																	32	33	37
-11 / -11	4.7																	56	57	34
-13 / -13	2.9																	24	25	31
-15 / -15	3.8																	32	32	25
-17 / -17	2.6																	22	22	38
-19 / -19	4.7																	39	40	51
-21 / -21	4.4																	37	37	30
-23 / -23	3.3																	28	28	19
-25 / -25	3.1																	26	26	30
-27 / -27	3.9																	33	35	45
-29 / -29	2.4																	20	23	27
Element (X)	Σ x'	Σ x	Σ	σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC  
 JAN 64

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FEDERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 221 SALENA AFS AK 73-62 056  
STAT ID STATION NAME YEARS MONTH

PAGE 1 1220-1400  
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
/-21	1.4																	12	14	12	10														
//-23	2.7																	23	27	23	33														
/-35	1.0																	8	19	9	37														
/-37																			15																
/-39																			10		25														
/-41																			3		16														
//-43	.1																	1	16	1	4														
//-45																			7																
/-47																			2		1														
/-49																			5		1														
/-51																			3																
TAL	69.232	7.2	4.															877	822	577	837														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3611276	55530	66.3	12.325	837	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	324759	-7471	-8.9	18.705	929	61.5	92.3					93
Wet Bulb	237262	-4392	-5.2	16.07	837	59.1	92.2					93
Dew Point	400063	-11139	-13.3	17.356	837	70.8	92.9					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

712200 SALENA AFB A4 73-82 DEC  
STATION MONTH  
PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
39			.4														3	3		
37		.4	.1														4	4		
35		.2															2	2		
33																			2	1
31		.5	.1														6	6		5
29	.4																3	3	8	6
27		.2	.1														3	3	1	4
25		.6	.4														6	6	4	
23		.1	.1														2	2	5	1
21	.7	.6	.5														15	15	11	6
19	1.1	2.5	.6														35	35	25	5
17	.1	2.3	.1														21	21	20	12
15	.2	3.3	.2														22	32	31	9
13	.6	2.5	.4														29	29	27	11
11	.2	3.1															26	26	26	25
9		2.3															19	19	34	28
7	.7	1.4															14	14	15	30
5	.6	2.9															29	29	18	11
3	.2	3.7															33	33	39	17
1	.7	3.2															34	34	34	33
-1	1.5	.4															16	16	24	10
-3	2.5	1.3															32	33	28	30
-5	3.5	2.1															47	48	40	29
-7	2.1	.1															18	19	32	21
-9	4.6																39	39	39	24
-11	4.5																38	38	38	35
-13	3.2																27	27	27	25
-15	5.1																43	43	43	29
-17	4.1																34	34	34	33
-19	4.2																35	35	35	50
-21	4.1																34	34	34	34
-23	4.2																35	35	35	20
-25	3.5																29	31	29	31
-27	3.8																32	34	32	37
Element (X)	Σ X'	Σ X	X	X'	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0 26-5 (OLA) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



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FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 022 GALENA AFS AK 73-82 DFC  
STATION STATION NAME YEARS MONTH  
PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
41				.2	.1												3	3		
40			.1														1	1		
39			.6														5	5		
38																			5	
37		.2	.1	.5	.1												8	8	2	3
36		.4		.2													5	5	5	9
35			.1														1	1	3	3
34			.7	.1													7	7	6	6
33				.1													1	1	4	1
32	.5	1.1	.1														14	14	13	9
31	1.1	2.4	.5														33	33	19	4
30	.4	3.7															28	28	25	18
29	.2	2.2	.4														23	23	25	11
28	1.7	3.2	.1														35	35	25	12
27	.2	2.7	.1														25	25	34	25
26		2.7															22	22	25	19
25	.5	1.9															20	20	23	27
24	.4	1.9															19	19	18	17
23		2.8															23	23	22	21
22	.6	3.3															22	23	16	33
21	2.1	.1															18	23	23	13
20		2.4	1.8														35	35	29	20
19	3.4	1.2															38	38	40	21
18		3.9															32	32	37	24
17	4.1																34	34	34	29
16	5.3																44	44	44	24
15	3.6																30	30	30	24
14	3.5																29	29	29	46
13	3.2																26	26	26	45
12	4.8																40	41	40	32
11	3.5																27	27	27	16
10	4.7																33	33	33	37
9	5.2																43	43	43	28
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Y	C <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE AIR 64



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 GALENA AFS AK 73-67 YEARS DFC MONTH

PAGE 1 2100-2700 HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/43					.1													1	1																
47/41					.2													2	2																
47/37			.1															1	1																
47/35		.1	.4															4	4	2															
37/33		.2																2	2	6															
37/31	.2	.2	.4															7	7	5	4														
27/26	.1	.1		.5														6	6	5	5														
27/27	.1	.2		.1														4	4	2	2														
27/25	.2	.7																8	8	7	4														
27/23		.5	.2															6	6	11	4														
27/21	.6	1.1	.1															15	15	10	11														
27/19	1.0	1.8																23	23	14	7														
27/17	.1	1.7	.4															18	18	18	17														
17/15	.1	1.7	.4															18	19	12	6														
17/13	1.7	4.1																42	42	37	10														
17/11		3.5	.1															30	30	37	18														
17/9	.1	2.2																19	19	33	15														
17/7	.6	2.1																22	22	18	26														
17/5	.2	2.8																25	25	29	12														
17/3	.4	1.1																12	13	17	33														
17/1	.7	3.0																37	39	30	19														
17/-1	2.1	1.1																26	26	29	14														
-7/-3	2.2	1.2																28	28	32	19														
-7/-5	4.1	1.0																42	42	41	22														
-7/-7	2.4																	20	20	26	32														
-7/-9	4.7																	39	39	39	22														
-7/-11	3.5																	29	29	29	33														
-17/-13	3.9																	32	32	32	31														
-17/-15	4.7																	39	39	39	35														
-17/-17	3.3																	27	27	27	36														
-17/-19	4.6																	38	38	38	35														
-17/-21	4.1																	34	34	34	24														
-27/-23	2.7																	22	22	22	21														
-27/-25	4.4																	36	36	36	30														
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 SAFETAC  
 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

22 GALENA AFS AK 72-82 25C  
 STATION STATION NAME YEARS MONTH

PAGE 2 2100-2300  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
/-27	3.4																	51	34	71	37															
/-29	3.3																	21	33	31	29															
/-31	1.6																	15	15	15	24															
/-33	3.2																	26	28	26	22															
/-35	ab																	5	11	5	41															
/-37																			24		49															
/-39																			14		25															
/-41																			19		23															
/-43																			11		12															
4/-45																			11		9															
/-47																			5		1															
/-49																			7																	
/-51																			3																	
TOTAL	65.7	31.3	2.1	ab	4													822	827		822															

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	3708596	54154	65.913	1.100	822	62.4	92.0					93
Wet Bulb	427306	-8422	-9.119	4.63	822	62.2	92.1					93
Dew Point	249714	-4768	-5.816	4.46	822	69.7	93.0					93

USAFETAC FORM 0-26-5 (OL A) 1-64 REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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FEDERAL CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/NAO

# PSYCHROMETRIC SUMMARY

7 020 GALENA AFS AK  
 STATION STATION NAME

73-87  
 YEARS

DTC  
 MONTH

PAGE 1

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
4 / 43																		2	2	
/ 41					.1													7	7	
/ 39			.1															5	5	
/ 37		.0	.2															13	13	1
/ 35		.1	.1															17	17	21
3 / 33	.1	.2	.3	.1														22	22	25
2 / 31	.2	.4	.3	.1														66	66	27
/ 29	.2	.1	.2	.2														45	40	41
/ 27	.5	.4	.1	.0														32	32	37
/ 25	.1	.9	.1															74	74	76
/ 23		.4	.1															37	37	58
2 / 21	.5	.5	.2															91	91	87
/ 19	.5	2.3	.2															218	219	135
/ 17	.1	2.2	.3															165	165	148
/ 15	.2	2.5	.3															203	203	184
/ 13	.5	3.1	.1															249	249	202
1 / 11	.4	2.8	.2															217	217	246
/ 9	.1	2.4	.0															169	169	238
/ 7	.3	2.1																151	161	150
/ 5	.4	2.0																161	161	195
/ 3	.6	2.5																205	206	221
/ 1	1.0	3.7																309	312	273
/ -1	2.0	1.0																252	250	277
/ -3	2.5	1.1																237	238	268
/ -5	2.9	1.4																285	286	257
/ -7	3.6	.0																237	238	303
/ -9	4.1																	265	266	265
/ -11	4.5																	299	300	299
-1 / -13	3.2																	212	213	212
-1 / -15	4.4																	292	293	292
-1 / -17	3.1																	206	209	206
-1 / -19	4.3																	283	287	283
-1 / -21	4.3																	263	265	263
-2 / -23	3.4																	224	225	224
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	I	e <sub>s</sub>	No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM NO. 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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FEDERAL CLIMATOLOGY BRANCH  
 WAFB/TAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 220 LALENA AFS AK 73-42 DFC MONTH YEARS

PAGE 0 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb-Dew Point															
1-25	4.1																	271	276	271	231														
1-27	3.5																	231	249	231	257														
1-29	2.7																	176	185	176	242														
1-31	2.3																	150	157	150	150														
1-33	3.0																	197	217	197	252														
1-35	1.0																	64	148	64	265														
1-37																			156		350														
1-39																		1	128	1	221														
1-41																			50		148														
1-43																		1	91	1	61														
1-45																			81		29														
1-47																			30		10														
1-49																			31		5														
1-51																			50																
1-53																			3																
1-55																			1																
TAL	64.3	32.3	2.8	.4	.1														7430		6609														
																		6609		6609															

Element (K)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	29927910	836686	66.112708		6609		497.0	737.9				744
Wet Bulb	3344669	-65752	-8.809285		7430		477.3	738.3				744
Dew Point	1259761	-37037	-5.666264		6609		562.6	743.5				744
	3331986	-90710	-13.707771		6609							744

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
ARMY LEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-22-50 GALENA AFS AK 73-02 ALL  
STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
2/21	.4	1.1	.5	.1														1798	1798	1858	1988														
1/19	.3	1.6	.7	.0														2405	2405	2123	2573														
1/17	.3	1.4	.4	.0														1835	1835	1922	1930														
1/15	.3	1.5	.3															1629	1629	1960	1940														
1/13	.5	1.4	.2															1741	1741	1911	1798														
1/11	.6	1.3	.1															1742	1743	1918	1921														
1/9	.4	1.4	.1															1571	1574	1757	2020														
1/7	.3	1.6	.1															1613	1614	1563	1862														
1/5	.4	1.1																1210	1219	1670	1327														
1/3	.5	1.4																1623	1625	1626	1542														
1/1	.5	1.7																1540	1943	1760	1869														
1/-1	1.2	.5																1417	1419	1650	1453														
1/-3	.0	.6																1306	1308	1430	1309														
1/-5	1.1	.5																1270	1271	1177	1452														
1/-7	1.3	.0																1119	1120	1405	1260														
1/-9	1.4																	1206	1210	1208	1300														
1/-11	1.4																	1153	1154	1153	1289														
1/-13	1.2																	826	827	625	1006														
1/-15	1.2																	1056	1058	1056	1354														
1/-17	1.1																	883	886	883	1268														
1/-19	1.1																	953	960	953	1389														
1/-21	1.1																	836	838	836	1113														
1/-23	.0																	769	777	769	978														
1/-25	.0																	758	759	754	1052														
1/-27	.8																	641	660	641	965														
1/-29	.7																	555	565	555	904														
1/-31	.5																	430	439	430	660														
1/-33	.6																	492	525	492	437														
1/-35	.2																	194	450	194	937														
1/-37	.1																	13	493	13	957														
1/-39	.0																	4	362	4	631														
1/-41	.0																	2	385	2	511														
1/-43	.0																	2	322	2	249														
1/-45	.0																	2	305	2	137														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM (G. S. T.)

2

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: 220 GALENA AFS AK STATION NAME: 73-67 YEARS: ALL  
 MONTH: ALL  
 PROJECT: ALL  
 HOURS (L. S. T.): ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1/-47																				102		40													
1/-40																				129		50													
1/-41																				134		11													
1/-43																				42															
1/-55																				43		1													
1/-57																				26		1													
1/-59																				4		1													
TOTAL	24	232	217	210	0	6.0	4.1	2.4	1.6	1.1	.5	.2	.1	.0	.0				F7633		P4920														
																			64920		84920														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	398197787	5638829	66.4	16.731	84920							
Dry Bulb	134306080	2271812	25.9	29.335	87633	1854.5	685.0	380.7	119.9	14.6		8760
Wet Bulb	103542246	2099364	24.7	24.660	84920	1796.2	998.4	3.0				8760
Dew Point	84942005	1485295	17.5	26.351	84920	2466.5	5773.3	.2				8760

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70220 GALENA AFS AK  
 STATION NAME

73-82  
 YEARS

HR. INT.	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	-4.4	-8.0	3.7	20.4	41.1	52.0	55.6	52.8	41.9	23.2	4.9	-9.3	23.0	27.881
	S.D.	22.556	22.860	16.694	12.892	7.074	5.497	5.383	5.702	6.597	11.539	17.717	21.746	27.881
	TOTAL OBS.	929	846	930	900	930	900	930	930	900	930	900	930	10955
3-05	-4.6	-9.2	1.5	17.6	38.4	49.9	53.4	50.6	40.4	22.4	4.7	-9.2	21.5	27.503
	S.D.	23.033	23.897	17.785	13.826	6.792	5.184	5.127	5.877	6.623	11.569	17.877	21.707	27.503
	TOTAL OBS.	930	846	930	900	930	900	930	929	900	930	900	930	10955
6-08	-5.1	-10.2	.5	18.2	41.8	52.8	56.1	52.0	40.4	22.1	4.6	-9.2	22.2	28.625
	S.D.	23.265	24.626	18.278	13.987	7.616	5.777	5.521	5.756	6.678	11.821	18.132	21.584	28.625
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	930	10955
9-11	-5.0	-8.8	5.5	24.4	48.3	57.6	61.1	57.4	45.0	24.0	4.8	-9.1	25.6	29.988
	S.D.	22.966	23.221	16.469	12.298	8.501	7.151	6.843	6.326	7.134	11.359	17.906	21.438	29.988
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	899	930	10955
12-14	-3.2	-2.6	12.1	29.4	52.6	61.3	64.8	61.8	49.7	27.3	7.2	-8.0	29.5	29.916
	S.D.	21.477	19.239	14.362	11.140	8.909	7.802	7.864	7.179	7.967	10.572	16.464	20.362	29.916
	TOTAL OBS.	930	846	929	900	930	900	929	930	900	930	900	929	10953
15-17	-2.7	-.1	14.7	31.6	54.4	62.6	66.4	63.3	51.0	27.9	7.2	-8.0	30.8	30.011
	S.D.	20.757	17.910	13.602	10.651	8.844	8.078	8.132	7.479	8.377	10.577	16.189	20.359	30.011
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	927	10953
18-20	-3.7	-3.3	12.1	30.3	53.0	61.3	65.1	61.4	48.1	25.5	5.7	-8.7	29.1	30.144
	S.D.	21.378	19.392	13.912	10.589	8.831	7.692	7.671	7.189	7.955	11.036	17.000	21.091	30.144
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	927	10953
1-23	-4.0	-6.2	7.4	25.3	47.4	56.9	60.5	56.1	43.9	23.6	4.9	-9.1	25.7	28.959
	S.D.	21.789	21.258	15.399	11.403	8.065	6.411	6.279	6.223	6.696	11.708	17.508	21.481	28.959
	TOTAL OBS.	930	846	930	900	930	900	930	930	900	930	900	927	10953
ALL HOURS	-4.1	-6.1	7.2	24.6	47.1	56.8	60.4	56.9	45.1	24.5	5.5	-8.8	25.9	29.335
	S.D.	22.159	21.663	16.653	13.202	9.900	8.128	8.114	7.939	8.254	11.460	17.384	21.218	29.335
	TOTAL OBS.	7439	6768	7439	7200	7440	7200	7439	7439	7200	7440	7199	7430	87633

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

70.220 GALENA AFS AK  
 STATION

73-82  
 YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN .3 S D 16.882 TOTAL OBS 814	-3.9 18.302 739	2.9 15.689 926	18.1 12.030 900	37.0 6.241 930	47.8 5.095 900	51.8 5.024 927	50.1 5.695 930	39.4 6.539 900	21.9 11.084 930	5.5 15.960 876	-5.8 17.500 823	23.0 24.323 10595
07-15	MEAN 1.1 S D 16.477 TOTAL OBS 793	-4.0 18.268 715	1.4 16.284 911	15.7 12.978 900	35.1 6.269 930	46.4 4.927 900	50.3 4.959 927	48.6 5.858 929	38.2 6.571 900	21.2 11.182 930	5.6 15.780 871	-5.6 17.346 819	22.2 23.839 10525
0-06	MEAN 1.1 S D 16.206 TOTAL OBS 783	-4.4 18.433 704	.6 16.631 907	16.1 13.044 900	37.2 6.541 930	47.9 5.049 900	51.9 4.951 927	49.6 5.613 930	38.2 6.646 900	20.9 11.448 930	5.7 15.823 867	-5.7 17.316 822	22.7 24.453 10500
-11	MEAN 1.1 S D 15.828 TOTAL OBS 789	-4.0 17.880 727	4.5 15.241 925	21.0 11.991 900	40.8 6.377 929	50.0 5.241 900	54.3 5.218 928	52.6 5.451 930	41.3 6.673 900	22.4 10.840 930	5.7 15.747 870	-5.7 17.239 822	24.8 24.912 10550
17-14	MEAN 1.1 S D 15.980 TOTAL OBS 823	-1.6 16.909 807	10.1 13.199 929	24.8 9.559 900	43.0 5.993 930	51.5 5.066 900	55.7 5.195 927	54.4 5.466 930	43.9 6.646 900	24.9 9.860 930	7.4 14.912 882	-5.2 16.847 837	26.6 24.697 10695
15-17	MEAN 1.0 S D 15.903 TOTAL OBS 832	-.5 16.498 833	12.4 12.398 930	26.5 9.015 900	43.9 5.795 930	52.1 4.909 900	56.3 4.997 927	55.0 5.428 930	44.5 6.633 900	25.3 9.739 930	7.2 14.806 885	-5.4 16.946 839	27.2 24.691 10736
18-20	MEAN .5 S D 16.151 TOTAL OBS 824	-2.5 17.350 810	10.2 12.822 930	25.7 9.150 900	43.3 5.753 930	51.6 4.941 900	56.0 4.953 927	54.6 5.434 930	43.1 6.818 900	23.6 10.425 930	6.1 15.364 880	-5.6 17.211 825	26.4 25.008 10686
1-23	MEAN .4 S D 16.241 TOTAL OBS 819	-3.8 17.968 773	6.1 14.480 930	22.1 10.396 900	40.7 6.108 930	50.2 5.010 900	54.5 4.947 927	52.3 5.659 930	40.7 6.588 900	22.0 11.195 930	5.6 15.579 872	-5.8 17.440 822	24.7 24.819 10633
ALL HOURS	MEAN .8 S D 16.206 TOTAL OBS 6477	-3.0 17.667 6108	6.1 15.229 7388	21.2 11.702 7200	40.1 6.081 7439	49.7 5.394 7200	53.8 5.452 7417	52.2 6.037 7439	41.2 7.029 7200	22.8 10.845 7440	6.1 15.508 7003	-5.6 17.221 6639	24.7 24.660 84920

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

700220 GALENA AFS AK

73-82

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02			MEAN -8.1	MEAN -12.9	MEAN -5.8	MEAN 9.9	MEAN 30.8	MEAN 43.3	MEAN 48.2	MEAN 47.7	MEAN 35.8	MEAN 17.5	MEAN -.5	MEAN -13.8	MEAN 17.1
			S.D. 20.83	S.D. 12.39	S.D. 18.46	S.D. 21.30	S.D. 7.34	S.D. 6.48	S.D. 6.19	S.D. 6.79	S.D. 7.99	S.D. 12.22	S.D. 18.39	S.D. 22.65	S.D. 26.84
			TOTAL OBS 814	TOTAL OBS 739	TOTAL OBS 926	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 876	TOTAL OBS 823	TOTAL OBS 10595
03-05			MEAN -7.3	MEAN -13.0	MEAN -7.0	MEAN 7.9	MEAN 29.8	MEAN 42.6	MEAN 47.4	MEAN 46.7	MEAN 35.1	MEAN 17.0	MEAN -.3	MEAN -13.8	MEAN 16.6
			S.D. 20.30	S.D. 16.23	S.D. 19.51	S.D. 13.19	S.D. 7.44	S.D. 6.14	S.D. 6.04	S.D. 6.87	S.D. 7.90	S.D. 12.47	S.D. 18.27	S.D. 32.58	S.D. 26.62
			TOTAL OBS 793	TOTAL OBS 715	TOTAL OBS 911	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 929	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 871	TOTAL OBS 819	TOTAL OBS 10525
6-08			MEAN -7.3	MEAN -13.5	MEAN -7.8	MEAN 7.9	MEAN 30.4	MEAN 42.7	MEAN 48.1	MEAN 47.4	MEAN 35.3	MEAN 16.8	MEAN -.2	MEAN -13.8	MEAN 16.7
			S.D. 19.90	S.D. 17.24	S.D. 20.05	S.D. 11.14	S.D. 7.49	S.D. 6.42	S.D. 6.10	S.D. 6.66	S.D. 8.05	S.D. 12.78	S.D. 18.34	S.D. 22.45	S.D. 26.88
			TOTAL OBS 783	TOTAL OBS 704	TOTAL OBS 907	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 867	TOTAL OBS 822	TOTAL OBS 10520
9-11			MEAN -7.2	MEAN -13.1	MEAN -4.4	MEAN 11.2	MEAN 30.9	MEAN 42.4	MEAN 48.4	MEAN 48.1	MEAN 36.5	MEAN 17.6	MEAN -.4	MEAN -13.9	MEAN 17.5
			S.D. 19.48	S.D. 12.63	S.D. 17.46	S.D. 13.05	S.D. 7.06	S.D. 6.49	S.D. 6.24	S.D. 6.89	S.D. 8.29	S.D. 12.10	S.D. 18.22	S.D. 22.46	S.D. 26.48
			TOTAL OBS 789	TOTAL OBS 727	TOTAL OBS 925	TOTAL OBS 900	TOTAL OBS 929	TOTAL OBS 900	TOTAL OBS 928	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 870	TOTAL OBS 822	TOTAL OBS 10550
12-14			MEAN -7.2	MEAN -11.3	MEAN -.4	MEAN 13.5	MEAN 30.8	MEAN 41.9	MEAN 48.0	MEAN 48.0	MEAN 36.8	MEAN 18.9	MEAN 1.2	MEAN -13.3	MEAN 18.0
			S.D. 19.32	S.D. 22.03	S.D. 15.46	S.D. 11.54	S.D. 6.69	S.D. 6.35	S.D. 6.13	S.D. 7.05	S.D. 8.31	S.D. 11.34	S.D. 17.36	S.D. 21.87	S.D. 25.62
			TOTAL OBS 823	TOTAL OBS 807	TOTAL OBS 929	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 882	TOTAL OBS 837	TOTAL OBS 10695
15-17			MEAN -7.3	MEAN -10.5	MEAN 1.2	MEAN 14.7	MEAN 30.6	MEAN 41.9	MEAN 47.8	MEAN 47.9	MEAN 36.7	MEAN 19.1	MEAN 1.0	MEAN -13.5	MEAN 18.1
			S.D. 19.28	S.D. 21.60	S.D. 15.01	S.D. 10.96	S.D. 6.83	S.D. 6.49	S.D. 6.23	S.D. 7.11	S.D. 8.28	S.D. 11.19	S.D. 17.14	S.D. 22.21	S.D. 25.43
			TOTAL OBS 832	TOTAL OBS 833	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 885	TOTAL OBS 839	TOTAL OBS 10736
18-20			MEAN -7.9	MEAN -12.2	MEAN -.1	MEAN 14.7	MEAN 31.0	MEAN 42.1	MEAN 48.3	MEAN 48.7	MEAN 36.9	MEAN 18.3	MEAN .3	MEAN -13.7	MEAN 18.0
			S.D. 19.93	S.D. 23.14	S.D. 15.31	S.D. 11.19	S.D. 6.80	S.D. 6.80	S.D. 6.51	S.D. 6.89	S.D. 8.40	S.D. 11.77	S.D. 17.68	S.D. 22.59	S.D. 26.08
			TOTAL OBS 824	TOTAL OBS 810	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 880	TOTAL OBS 825	TOTAL OBS 10686
1-23			MEAN -8.0	MEAN -13.0	MEAN -3.0	MEAN 12.9	MEAN 31.9	MEAN 43.3	MEAN 49.2	MEAN 48.8	MEAN 36.3	MEAN 17.3	MEAN -.4	MEAN -14.0	MEAN 17.8
			S.D. 20.16	S.D. 23.82	S.D. 16.72	S.D. 12.62	S.D. 6.98	S.D. 6.75	S.D. 6.33	S.D. 6.66	S.D. 8.29	S.D. 12.41	S.D. 17.91	S.D. 22.88	S.D. 26.75
			TOTAL OBS 819	TOTAL OBS 773	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 927	TOTAL OBS 930	TOTAL OBS 900	TOTAL OBS 930	TOTAL OBS 872	TOTAL OBS 822	TOTAL OBS 10633
ALL HOURS			MEAN -7.5	MEAN -12.4	MEAN -3.4	MEAN 11.6	MEAN 30.8	MEAN 42.5	MEAN 48.2	MEAN 47.9	MEAN 36.1	MEAN 17.8	MEAN .0	MEAN -13.7	MEAN 17.5
			S.D. 19.89	S.D. 23.25	S.D. 17.32	S.D. 13.35	S.D. 7.10	S.D. 6.51	S.D. 6.24	S.D. 6.89	S.D. 8.22	S.D. 12.07	S.D. 17.92	S.D. 22.45	S.D. 26.35
			TOTAL OBS 6477	TOTAL OBS 6108	TOTAL OBS 7388	TOTAL OBS 7200	TOTAL OBS 7439	TOTAL OBS 7200	TOTAL OBS 7417	TOTAL OBS 7439	TOTAL OBS 7200	TOTAL OBS 7440	TOTAL OBS 7003	TOTAL OBS 6609	TOTAL OBS 84920

























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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

7 220 GALENA AFS AK 73-82 ALL  
STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.9	96.8	83.8	61.1	35.8	16.5	5.5	65.7	6477
FEB		100.0	100.0	99.9	94.1	77.9	53.5	27.2	9.4	3.0	62.0	6108
MAR		100.0	100.0	99.9	94.2	74.2	49.7	27.8	13.0	4.0	61.9	7388
APR		100.0	100.0	97.7	88.8	69.8	46.5	21.3	8.4	2.2	59.0	7200
MAY		100.0	99.3	93.2	77.9	58.8	40.4	22.4	8.8	1.7	56.0	7439
JUN		100.0	99.8	96.6	86.4	69.8	52.7	34.5	13.0	3.9	61.6	7200
JUL		100.0	100.0	98.7	91.7	79.0	62.5	45.6	23.4	7.1	66.7	7417
AUG		100.0	100.0	99.2	96.4	88.7	77.0	62.2	39.3	17.9	74.0	7439
SEP		100.0	100.0	99.4	96.8	89.2	76.5	59.0	37.1	12.9	72.8	7200
OCT		100.0	100.0	100.0	99.6	97.5	88.6	67.9	39.4	15.1	76.3	7440
NOV		100.0	100.0	100.0	98.7	91.4	81.6	62.6	35.5	17.4	74.3	7003
DEC		100.0	100.0	100.0	98.9	87.9	65.7	33.8	14.2	3.1	66.1	6609
TOTALS		100.0	99.9	98.7	93.4	80.7	63.0	41.7	21.7	7.8	66.4	64920

U S AIR FORCE  
 ENVIRONMENTAL TECHNICAL  
 APPLICATIONS CENTER

PART F

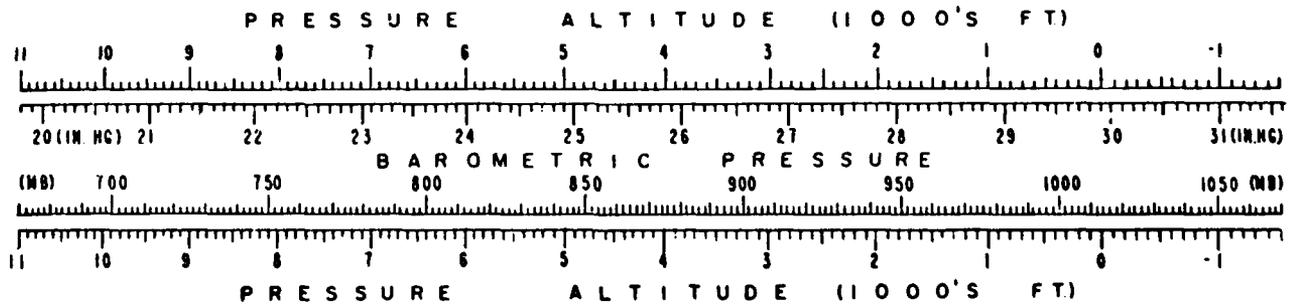
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
 Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
 METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.

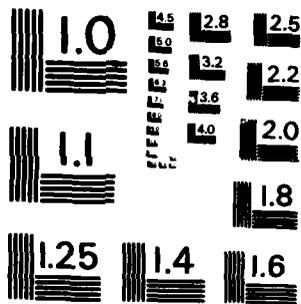


AD-A134 211 GALENA AFS ALASKA REVISED UNIFORM SUMMARY OF SURFACE  
WEATHER OBSERVATIONS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. 28 JUL 83  
UNCLASSIFIED USAFETAC/DS-83/035 S81-AD-E850 429 F/G 4/2

6/6

NL

			END
			DATE
			FILED
			28



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7 0220 GALENA AFS AK

73-82

HR. OBS.		STATION NAME												YEARS
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02	MEAN S.D. TOTAL OBS.	29.72929 .441 310	29.75329 .437 282	29.65429 .278 310	29.68329 .289 300	29.63929 .237 310	29.68629 .188 300	29.69929 .169 310	29.70729 .210 310	29.59529 .251 300	29.51929 .313 310	29.58429 .390 300	29.647 .442 310	29.657 .324 3652
05	MEAN S.D. TOTAL OBS.	29.72329 .442 310	29.75029 .437 282	29.65429 .277 310	29.68829 .291 300	29.64929 .238 310	29.69429 .190 300	29.70629 .170 310	29.71229 .211 310	29.59629 .252 300	29.51629 .313 310	29.57829 .392 300	29.642 .440 310	29.659 .325 3652
08	MEAN S.D. TOTAL OBS.	29.72129 .439 310	29.75229 .434 282	29.65729 .277 310	29.69429 .290 300	29.65429 .238 310	29.69929 .190 300	29.71329 .170 310	29.71729 .211 310	29.60329 .251 300	29.52229 .312 310	29.54129 .392 300	29.640 .439 310	29.662 .323 3652
11	MEAN S.D. TOTAL OBS.	29.73329 .437 310	29.76329 .431 282	29.66429 .275 310	29.69429 .289 300	29.64629 .238 310	29.69329 .190 300	29.71129 .169 310	29.71629 .210 310	29.60529 .251 300	29.53029 .312 310	29.59329 .390 300	29.652 .439 310	29.666 .322 3652
14	MEAN S.D. TOTAL OBS.	29.72629 .436 310	29.75229 .429 282	29.65129 .275 310	29.67829 .288 300	29.62729 .236 310	29.67329 .188 300	29.69829 .167 310	29.69829 .209 310	29.58729 .251 300	29.51829 .312 310	29.58729 .389 300	29.645 .441 309	29.653 .321 3651
17	MEAN S.D. TOTAL OBS.	29.72029 .434 310	29.74229 .432 282	29.63629 .276 310	29.66129 .288 300	29.60929 .235 310	29.65629 .188 300	29.67929 .167 310	29.68129 .207 310	29.57129 .252 300	29.51129 .313 310	29.58229 .388 300	29.642 .443 309	29.640 .322 3651
20	MEAN S.D. TOTAL OBS.	29.71929 .433 310	29.74429 .436 282	29.63829 .278 310	29.66129 .287 300	29.61229 .234 310	29.65529 .186 300	29.67929 .165 310	29.68029 .206 310	29.57629 .254 300	29.51629 .314 310	29.58229 .389 300	29.645 .444 309	29.642 .322 3651
23	MEAN S.D. TOTAL OBS.	29.72329 .434 310	29.75029 .438 282	29.64829 .279 310	29.67129 .285 300	29.63229 .235 310	29.67429 .186 300	29.69829 .167 310	29.69529 .208 310	29.58929 .253 300	29.52129 .314 310	29.58529 .392 300	29.652 .441 309	29.653 .322 3651
ALL HOURS	MEAN S.D. TOTAL OBS.	29.72429 .436 2480	29.75129 .434 2256	29.65029 .277 2480	29.67929 .288 2400	29.63429 .237 2480	29.67929 .189 2400	29.69729 .168 2480	29.70129 .209 2470	29.59029 .252 2400	29.51929 .312 2480	29.58429 .390 2400	29.646 .440 2476	29.654 .323 29212

GLOBAL CLIMATOLOGY BRANCH  
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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

7 2220 GALENA AFS AK

73-82

STATION

STATION NAME

YEARS

HRS (LT)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
07	MEAN	1013.2	1014.1	1010.5	1011.4	1009.7	1011.3	1011.7	1012.0	1008.2	1005.8	1008.2	1010.4	1010.5
	S D	15.10	14.9	9.5	9.8	8.0	6.3	5.7	7.1	8.5	10.6	13.3	15.0	11.0
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
05	MEAN	1013.0	1013.9	1010.5	1011.5	1010.1	1011.5	1011.9	1012.1	1008.3	1005.7	1008.0	1010.3	1010.5
	S D	15.11	14.9	9.4	9.9	8.0	6.4	5.7	7.1	8.5	10.6	13.3	15.0	11.0
	TOTAL OBS	310	282	310	300	310	300	310	310	300	309	300	310	3651
08	MEAN	1013.0	1014.0	1010.7	1011.8	1010.3	1011.7	1012.1	1012.3	1008.5	1005.9	1008.1	1010.2	1010.7
	S D	15.00	14.7	9.4	9.9	8.0	6.4	5.7	7.1	8.5	10.6	13.3	15.0	11.0
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	1013.4	1014.4	1010.9	1011.7	1010.0	1011.5	1012.0	1012.3	1008.6	1006.2	1008.5	1010.6	1010.8
	S D	14.92	14.7	9.3	9.8	8.0	6.4	5.7	7.1	8.5	10.6	13.3	15.0	10.9
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
14	MEAN	1013.1	1014.1	1010.5	1011.2	1009.3	1010.8	1011.5	1011.7	1007.9	1005.7	1008.3	1010.4	1010.4
	S D	14.91	14.6	9.3	9.8	8.0	6.3	5.6	7.1	8.5	10.5	13.2	15.0	10.9
	TOTAL OBS	310	282	309	300	310	300	310	310	300	310	300	309	3650
17	MEAN	1012.9	1013.7	1009.9	1010.6	1008.7	1010.2	1011.0	1011.1	1007.4	1005.5	1008.1	1010.3	1009.9
	S D	14.85	14.7	9.4	9.8	7.9	6.4	5.6	7.0	8.5	10.6	13.2	15.0	10.9
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	309	3650
20	MEAN	1012.9	1013.8	1010.0	1010.6	1008.8	1010.2	1011.0	1011.0	1007.6	1005.7	1008.1	1010.4	1010.0
	S D	14.78	14.8	9.4	9.7	7.9	6.3	5.6	7.0	8.6	10.6	13.2	15.0	10.9
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
23	MEAN	1013.0	1013.9	1010.3	1011.0	1009.5	1010.8	1011.6	1011.5	1008.0	1005.9	1008.2	1010.6	1010.3
	S D	14.82	14.9	9.5	9.7	7.9	6.3	5.6	7.0	8.6	10.6	13.2	15.0	10.9
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650
ALL HOURS	MEAN	1013.1	1014.0	1010.4	1011.2	1009.5	1011.0	1011.6	1011.7	1008.1	1005.8	1008.2	1010.4	1010.4
	S D	14.92	14.8	9.4	9.8	8.0	6.4	5.7	7.1	8.5	10.6	13.2	15.0	11.0
	TOTAL OBS	2480	2256	2479	2400	2480	2399	2480	2480	2400	2479	2399	2475	29207

**DATE**  
**ILME**